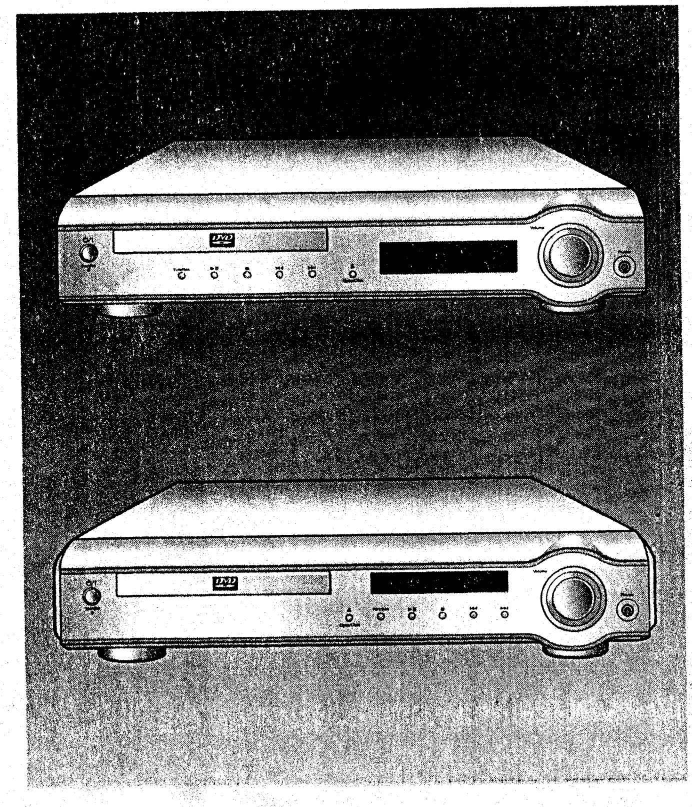
DVD RECEIVER AMP

HT-DM150
HT-DM150J
HT-DM550

SERVICE Manual

DVD RECEIVER AMP SYSTEM



CONTENTS

1. Alignment and Adjustments
2. Exploded Views and Parts List
3. Electrical Parts List
4. Block Diagrams
5. PCB Diagrams
6. Wiring Diagram
7. Schematic Diagrams
8. IC block Diagrams
9. Troubleshooting

- Confidential -

*** NOTE !**

HT-DM150J (SAMSUNG) = SAMSUNG HT-DM150 DVD Receiver AMP + JBL Speaker System
So, Service of **HT-DM150J Speaker System** must be performed by JBL Service Center.

1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children--might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

4. Design Alteration Warning:
   Never alter or add to the mechanical or electrical design of the unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

5. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

   With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, etc.) and all exposed metal parts. Examples: Handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat.

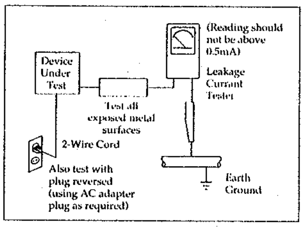

(Reading should not be above 0.5mA)
Device Under Test
Leakage Current Tester
Test all exposed metal surfaces
2-Wire Cord
Also test with plug reversed (using AC adapter plug as required)
Earth Ground

Fig. 1-1 AC Leakage Test

6. Insulation Resistance Cold Check:
   (1) With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. (2) Set the power switch to ON. (3) Measure the resistance between the shorted AC plug and any exposed metallic parts. Example: Screwheads, antenna, control shafts or handle brackets.

   If any of the exposed metallic parts has a return path to the chassis, the measured resistance should be between 1 and 5.2 megohms. If there is no return path, the measured resistance should be "infinite." If the resistance is outside these limits, a shock hazard might exist. See Figure 1-2

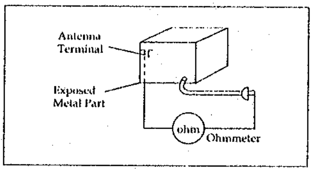


Fig. 1-2 Insulation Resistance Test

1-1 Safety Precautions (Continued)

7. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards

8. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that no wires or components touch thermally hot parts.

9. Product Safety Notice:
   Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

10 Components that are critical for safety are indicated in the circuit diagram by shading, ⚠ or ⚠. Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring may be clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs). Examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

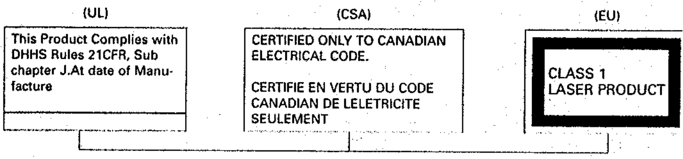
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static" (these can accumulate sufficient electrical charge to damage ESDs).

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handing unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4 Special Precautions and Warning Labels for Laser Products



(UL)

This Product Complies with DHHS Rules 21CFR, Sub chapter J.At date of Manufacture

(CSA)

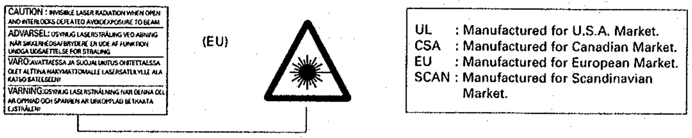
CERTIFIED ONLY TO CANADIAN ELECTRICAL CODE.

CERTIFIE EN VERTU DU CODE CANADIAN DE LELETRICITE SEULEMENT

(EU)

CLASS 1
LASER PRODUCT

Fig. 1-3 Warning Labels (Location: Enclosure Block)



(SCAN)

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED AVOIDEXPOSURE TO BEAM

ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSAETTELSE FOR STRALING

VARO: AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NAKYMATTOMALLE LASERSATEILYLLE ALA KATSO SATEESEEN!

VARNING: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD BETRAKTA EJ STRÅLEN!

(EU)

UL : Manufactured for U.S.A. Market.
CSA : Manufactured for Canadian Market.
EU : Manufactured for European Market.
SCAN : Manufactured for Scandinavian Market.

Fig. 1-4 Warning Labels (Location: Disc Clamper, Inner Side of Unit Door or Nearby Unit Chassis)

1-4 Special Precautions and Warning Labels for Laser Products (Continued)

1-4-1 Warnings

1. When servicing, do not approach the LASER exit with the eye too closely. In case it is necessary to confirm LASER beam emission, be sure to observe from a distance of more than 30 cm from the surface of the objective lens on the optical pick-up block.

2. Do not attempt to handle the objective lens when the DISC is not on the tray.

1-4-2 Laser Diode Specifications

Material: GaAs+ GaAlAs
Wavelength: 760-800 nm
Emission Duration: Continuous

Laser Output: 0.2 mw (measured at a 1.6 mm distance from the objective lens surface on the optical pick-up block.)

1-4-3 Handling the Optical Pick-up

1. Static electricity from clothing or the body may cause electrostatic breakdown of the laser diode in the Optical Pickup. Follow this procedure:

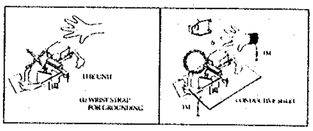
2. Place a conductive sheet on the work bench (i.e., the black sheet used for wrapping repair parts.) Note: The surface of the work bench should be covered by a copper ground plane, which is grounded.

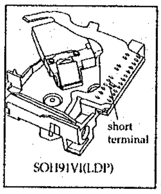
3. The repair technician must wear a wrist strap which is grounded to the copper sheet.

4. To remove the Optical Pickup block:
   Place the set on the conductive sheet, and momentarily touch the conductive sheet with both hands. (While working, do not allow any electrostatic sources--such as clothes--to touch the unit.)

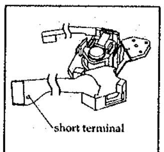
5. Ground the "Short Terminal" (located on the PCB, inside the Pickup Assembly) before replacing the Pickup. This terminal should be shorted whenever the Pickup Assembly is lifted or moved.

6. After replacing the Pickup, reopen the Short Terminal. See diagrams below:

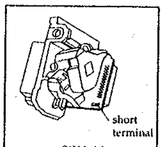




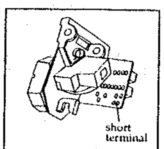
SOH91VI(LDP)



SOH91CI(CAR,walkman)



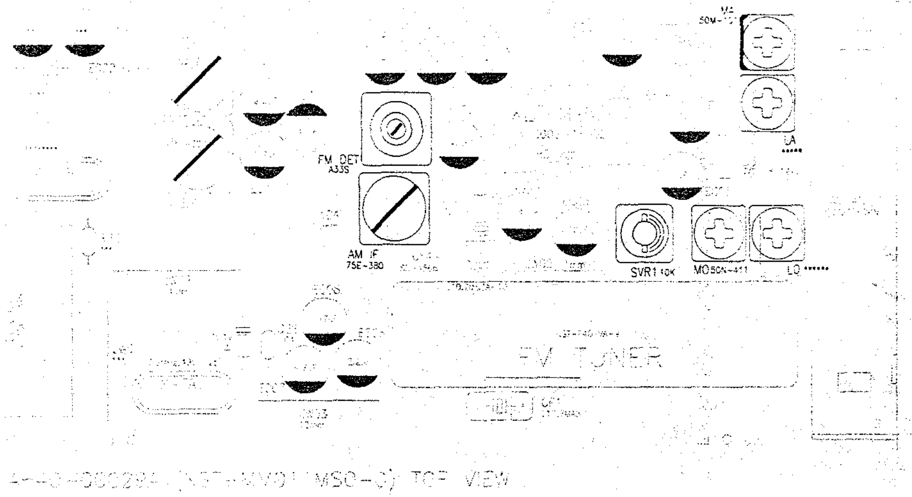
SOH-A1
(CMS-V10,CMS-V30)



SOH94T4N
(CMS-V10,CMS-V30)

1. Alignment and Adjustments

1. Tuner


MA
50M-
LA
FM DET
A33S
AM IF
75E-380
SVR1 10K
MO50N-411
LO
FM TUNER
TOP VIEW

* Adjustment Location of Tuner PCB

ITEAM	AM(MW) OSC Adjustment	AM(MW) RF Adjustment	AM(MW) RF Adjustment
Received FREQ.	522~1611 KHz	594 KHz	150 KHz
Adjustment point	MO	MA	LA
Output	1~7.0 V	Maximum Output (Fig1-4)	Maximum Output (Fig1-4)

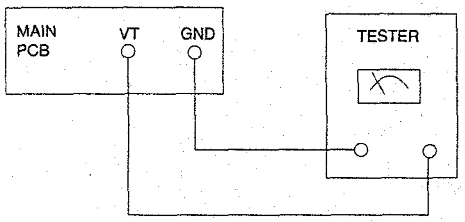

MAIN PCB
VT
GND
TESTER

Fig 1-4 OSC Voltage

FM THD Adjustment	
SSG FREQ.	98 MHz
Adjustment point (FM DET)	FM DETECTOR COIL
Output	60 dB
Minumum Distortion (0.4% below) (Figure 1-1)	

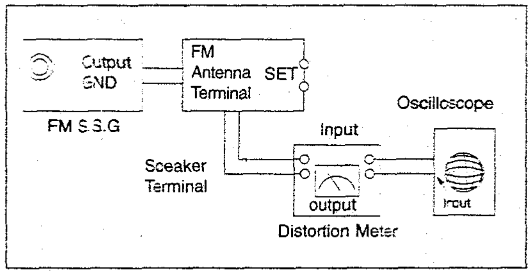

Output
GND
FM S.S.G
FM Antenna Terminal
SET
Oscilloscope
Input
Speaker Terminal
output
Input
Distortion Meter

Figure1-1 IF CENTER and THD Adjustment

FM Search Level Adjustment	
SSG FREQ.	98 MHz
Adjustment point (SVR1)	BEACON SENSITIVITY SEMI-VR(10KΩ)
Output	28 dB(±2dB)
Adjust SVR1 so that "TUNED" of FLT is lighted (Figure 1-2)	

*Adjust FM S.S.G level to 28dB

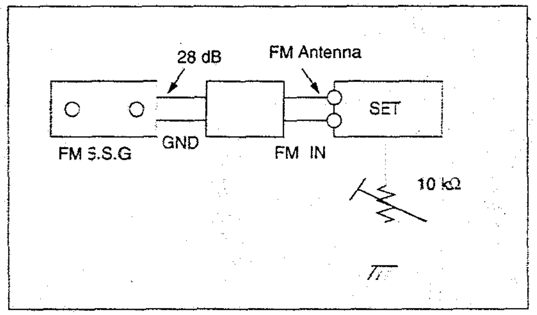

28 dB
FM Antenna
SET
FM S.S.G
GND
FM IN
10 kΩ

Figure1-2 FM Auto Search Level Adjustment

AM(MW) I.F Adjustment	
SSG FREQ.	450 kHz
Frequency	522 kHz
Adjustment point	AM IF
Maximum output (Figure 1-3)	

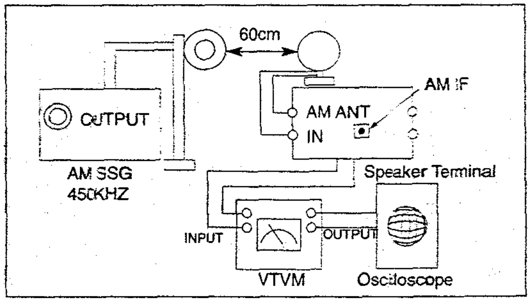
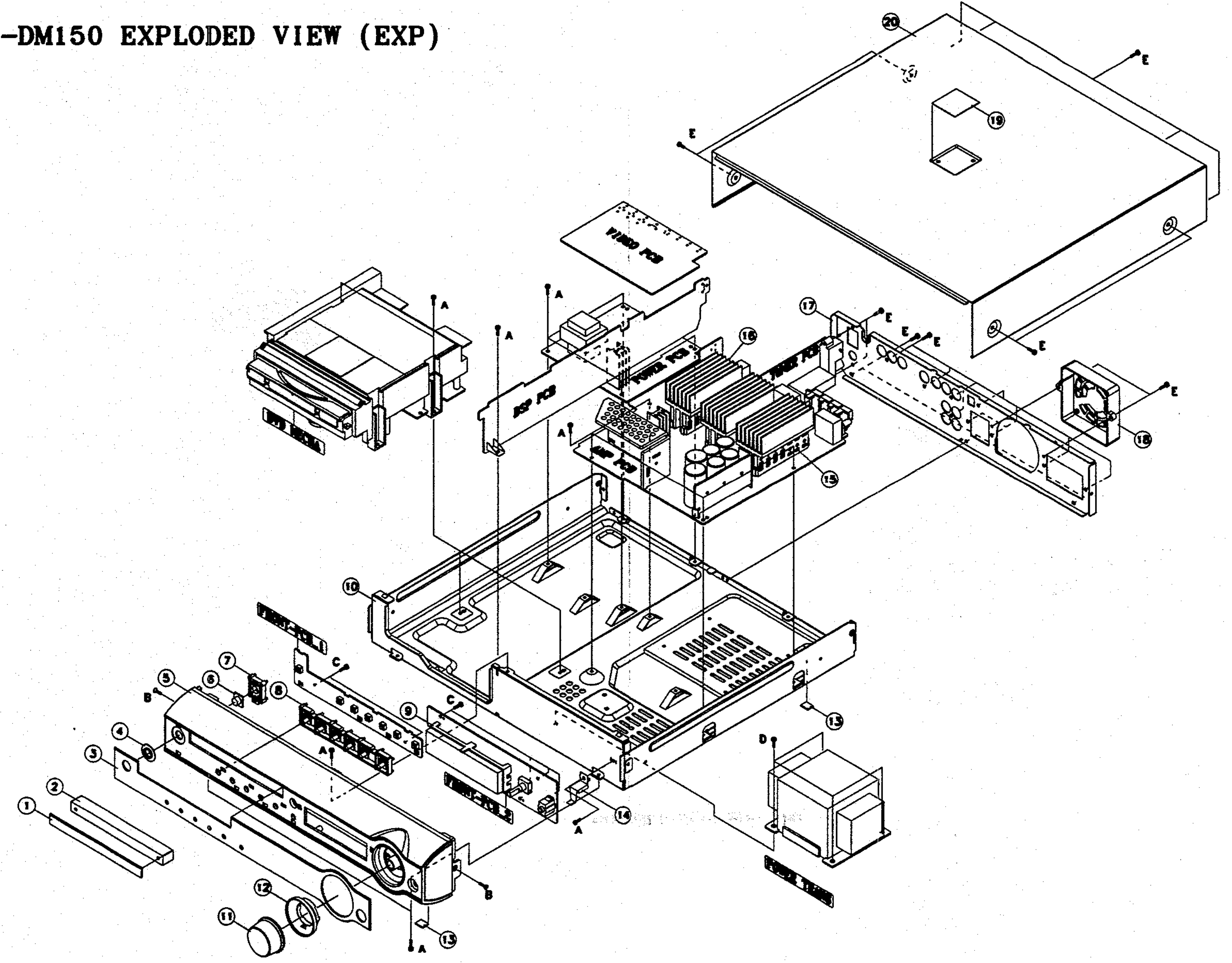

60cm
AM IF
OUTPUT
AM ANT IN
AM SSG 450KHZ
Speaker Terminal
INPUT
OUTPUT
VTVM
Oscilloscope

Figure1-3 AM I.F Adjustment

2.Exploded Views and Parts List

2-1-1 Total Exploded View : HT-DM150

HT-DM150 EXPLODED VIEW (EXP)



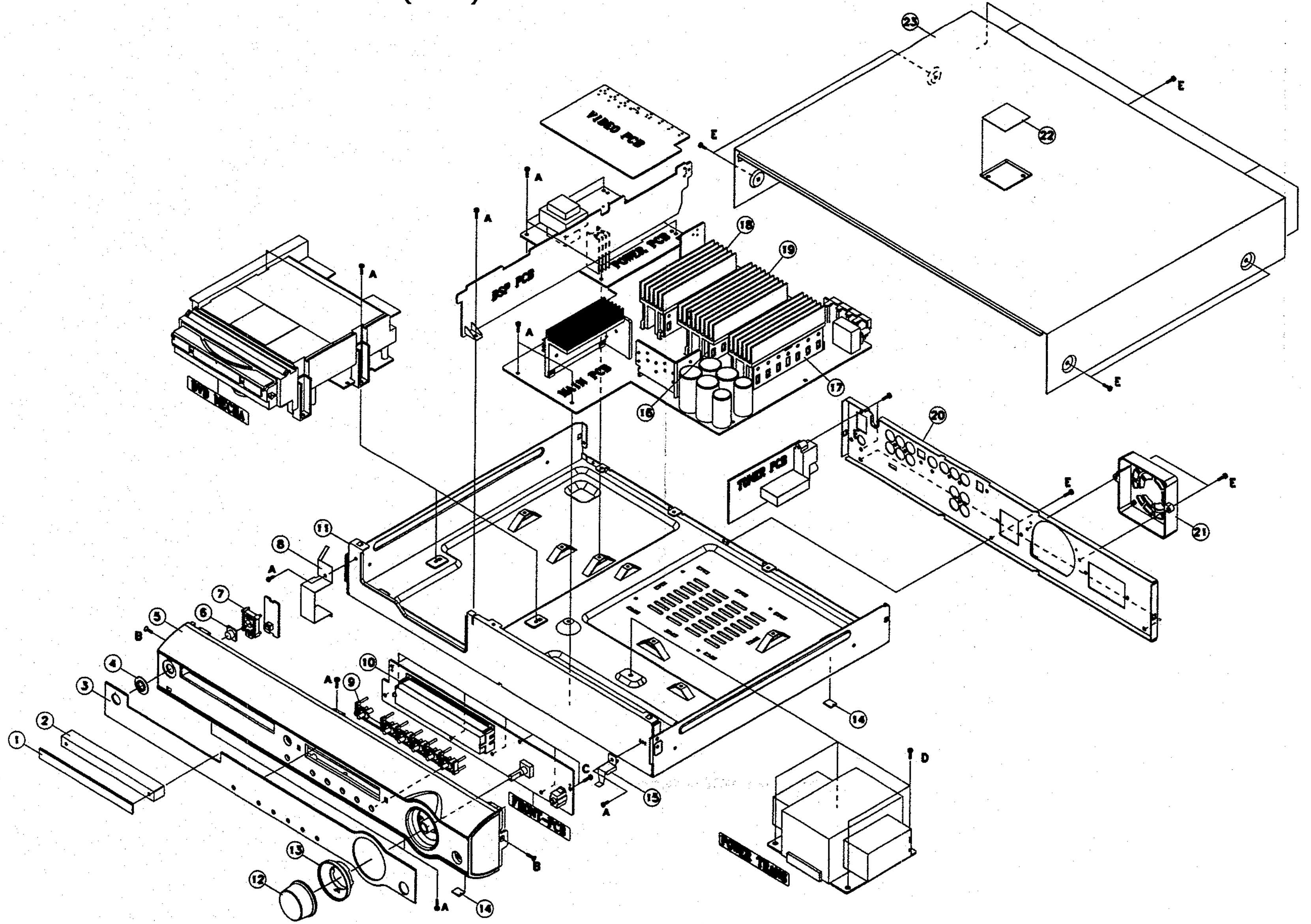
⑳
E
⑲
E
VIDEO PCB
A
A
A
DVD MECHA
DSP PCB
POWER PCB
⑯
TUNER PCB
⑰
E
E
E
E
E
⑱
A
AMP PCB
⑮
⑩
FRONT-PCB 1
C
⑦
⑥
⑤
⑧
B
C
⑨
④
A
③
FRONT-PCB 2
②
①
⑭
A
D
⑬
⑫
⑪
B
A
⑬

* Parts List of Total Exploded view ; HT-DM150

No.	Code No.	Description	Specification	Q'ty	REMARK
1	AH64-02071A	WINDOW-CD DOOR	ACRYL 1.5T	1	
2	AH64-02006B	DOOR-TRAY	ABS GRAY	1	
3	AH64-02072B	WINDOW-VFD	ACRYL 1.5T	1	
4	AH64-02008B	DECO-POWER	ABS PLATING	1	
5	AH64-02003C	CABINET-FRONT	MIPS GRAY	1	EX_BASIC, ASIA
	AH64-02003D			1	SEA
	AH64-02003E			1	EUROPE
6	AH67-00182B	LENS-POWER	PMMA MILKY	1	
7	AH64-02010A	KNOB-POWER	ABS GRAY	1	
8	AH64-02009B	KNOB-FUNCTION	ABS STAMPING	1	
9	AH61-01131A	HOLDER-VFD	ABS BLACK	1	
10	AH64-01999A	CABINET-BOTTOM	SECC 1.0T	1	
11	AH64-02011B	KNOB-VOLUME	ABS PLATING	1	
12	AH67-00183A	LENS-VOLUME	PMMA MILKY	1	
13	AH73-00005A	CUSHION-FOOT	POLON 2.0T	4	
14	AH63-00388D	SHIELD-PCB	PBS 0.3T	1	
15	AH61-00779A	HOLDER-IC	PBT BLACK	6	
16	AH62-00050A	HEAT-SINK,MAIN	AL EXTRUSION	3	
17	AH64-02002C	CABINET-REAR	SECC 0.8T	1	EX_BASIC, SEA
	AH64-02002D			1	EUROPE(Scart jack)
	AH64-02002E			1	ASIA(Dual voltage)
18	AH63-00303B	COVER-FAN	ABS GRAY	1	
19	AH64-01538B	BADGE-DVD	PE 0.3T	1	
20	AH64-02001C	CABINET-TOP	SECC 0.6T	1	
A	6002-000398	SCREW-TAP TITE	BH M3*6 YEL	16	
B	6002-000126	SCREW-TAPPING	FH M3*10 BLK	2	
C	AH60-10020D	SCREW-TAP TITE	RH M2.6*8 YEL	5	
D	AH60-00014A	SCREW-TAP TITE	TH M4*6 YEL	4	
E	AH60-00025A	SCREW-TAP TITE	BH M3*10 SILVER	24	

2-1-2 Total Exploded View : HT-DM550

HT-DM550 EXPLODED VIEW (EXP)

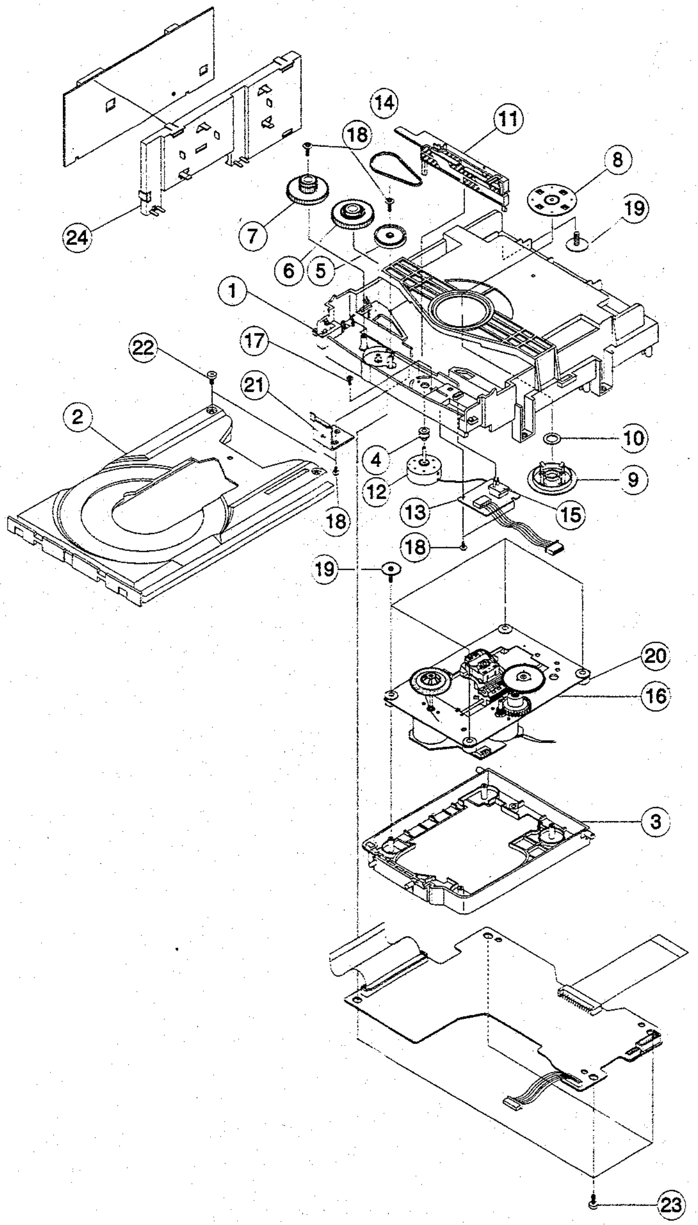


23
22
E
E
E
VIDEO PCB
A
A
A
A
DSP PCB
POWER PCB
MAIN PCB
DVD MECHA
18
19
17
16
20
TUNER PCB
E
E
21
11
8
A
7
6
5
B
4
3
2
1
A
9
10
FRONT-PCB
C
15
A
14
D
POWER TRANS
B
13
12
A
14

* Parts List of Total Exploded view ; HT-DM550

No.	Code No.	Description	Specification		Remark
1	AH64-02071A	WINDOW-CD DOOR	ACRYL 1.5T	1	
2	AH64-02006B	DOOR-TRAY	ABS GRAY	1	
3	AH64-02073B	WINDOW-VFD	ACRYL 1.5T	1	
4	AH64-02008B	DECO-POWER	ABS PLATING	1	
5	AH64-02015C	CABINET-FRONT	MIPS GRAY	1	EX_BASIC, ASIA
	AH64-02015D			1	SEA
	AH64-02015E			1	EUROPE
6	AH67-00182B	LENS-POWER	PMMA MILKY	1	
7	AH64-02010A	KNOB-POWER	ABS GRAY	1	
8	AH63-00388F	SHIELD-GND	SPTE 0.3T	1	SEA (ONLY)
9	AH64-02018B	KNOB-FUNCTION	ABS STAMPING	1	
10	AH61-00853A	HOLDER-VFD	ABS BLACK	1	
11	AH64-02012A	CABINET-BOTTOM	SECC 1.OT	1	
12	AH64-02011B	KNOB-VOLUME	ABS PLATING	1	
13	AH67-00183A	LENS-VOLUME	PMMA MILKY	1	
14	AH73-00005A	CUSHION-FOOT	POLON 2.0T	4	
15	AH63-00388D	SHIELD-PCB	PBS 0.3T	1	
16	AH61-00855A	HOLDER-IC	PBT BLACK	1	
17	AH61-00933A	HOLDER-IC	PBT BLACK	5	
18	AH62-00075A	HEAT-SINK,FR	AL EXTRUSION	2	
19	AH62-00070A	HEAT-SINK,MAIN	AL EXTRUSION	1	
20	AH64-02014C	CABINET-REAR	SECC 0.8T	1	EX_BASIC, SEA
	AH64-02014D			1	EUROPE(Scart jack)
	AH64-02014E			1	ASIA(Dual voltage)
21	AH63-00303B	COVER-FAN	ABS GRAY	1	
22	AH64-01538B	BADGE-DVD	PE 0.3T	1	
23	AH64-02013C	CABINET-TOP	SECC 0.6T	1	
A	6002-000398	SCREW-TAP TITE	BH M3*6 YEL	18	
B	6002-000126	SCREW-TAPPING	FH M3*10 BLK	2	
C	6003-000276	SCREW-TAP TITE	BH M3*10 YEL	8	
D	AH60-00014A	SCREW-TAP TITE	TH M4*6 YEL	4	
E	AH60-00025A	SCREW-TAP TITE	BH M3*10 SILVER	26	

2-2 MECHA Exploded View and Parts list



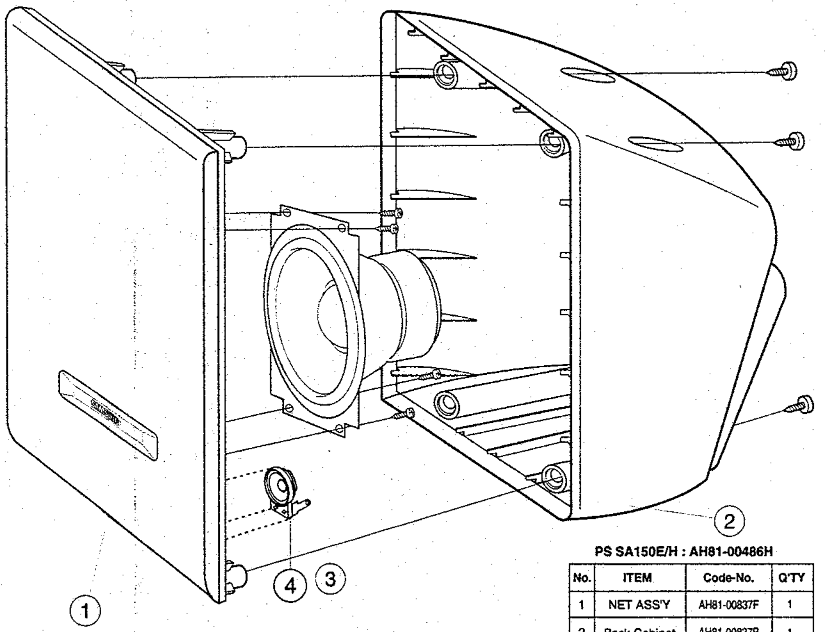
	AH97-00822A	DVD MECHA	CMS-D100	
1	AH61-00746A	BASE-MAIN	ABS BLK	1
2	AH63-00294A	TRAY-DISC	ABS D/GRAY	1
3	AH66-00159A	LEVER-LIFT	ABS BLK	1
4	AH66-00160A	PULLEY-MOTOR	POM WHT	1
5	AH66-00161A	GEAR-PULLEY	TPE WHT	1
6	AH66-00162A	GEAR-MIDDLE	TPE WHT	1
7	AH66-00163A	GEAR-TRAY	POM WHT	1
8	AH66-00164A	CLAMPER-UPPER	POM WHT	1
9	AH66-00165A	CLAMPER-LOWER	POM WHT	1
10	AH61-00747A	BRACKET-CHUCK	SECC t1.0	1
11	AH66-00166A	SLIDE-CAM	POM WHT	1
12	AH31-00030A	MOTOR-DC	RF-300CA-11440	1
13	AH41-00352A	PCB-SWITCH	26.5*21.6	1
14	AH66-00167A	BELT-PULLEY	CR 1.5	1
15	3409-001119	SWITCH-DETECTOR	JDS2200	1
16	AH59-00130A	DVD DECK	CMS-S21MG6	1
17	6001-001257	SCREW-MACHINE	1.7*3(W4.5)	2
18	AJ60-10001A	SCREW-TAP	2*5(W7)	6
19	6003-001210	SCREW-TAP	2.6*6(W12)	5
20	AH73-00025B	RUBBER-CD	BUTYL 15	4
21	AH61-00958A	BRACKET-GUIDE	SECC 1.0t	1
22	6003-000283	SCREW-TAP	3*8	2
23	6003-000276	SCREW-TAP	3*10	4
24	AH61-00828A	HOLDER-PCB	ABS BLK	1

2-3 SPEAKER Exploded View and Parts list

(* **NOTE :** Service of **HT-DM150J Speaker System** must be performed by JBL Service Center.)

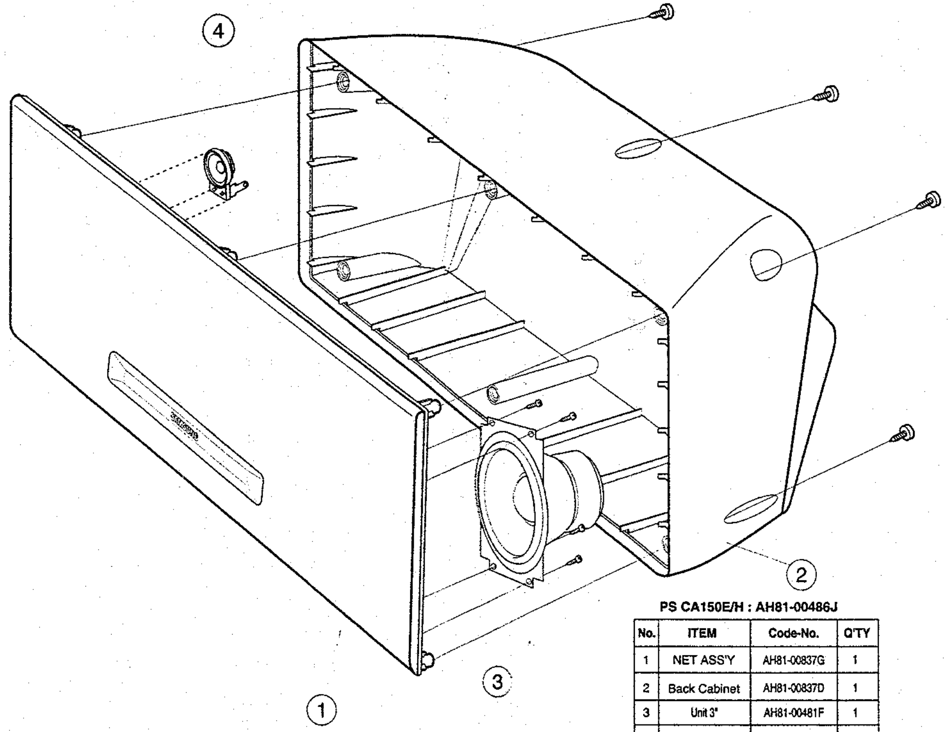
2-3-1 HT-DM150

* CAUSION : It is used the bonding, connect NET FRAME(or FRONT PANEL ASS'Y) to CABINET ASS'Y.
So when the disassembly, take extreme care not to demage the SPEAKER.



PS SA150E/H : AH81-00486H

No.	ITEM	Code-No.	Q'TY
1	NET ASS'Y	AH81-00837F	1
2	Back Cabinet	AH81-00837B	1
3	Unit 3"	AH81-00481F	1
4	Unit 11mm	AH81-00837L	1

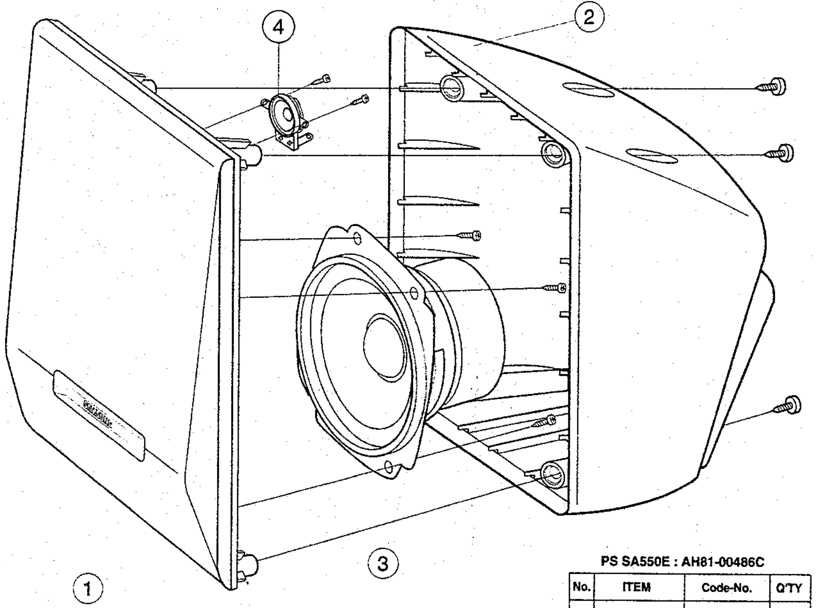


PS CA150E/H : AH81-00486J

No.	ITEM	Code-No.	Q'TY
1	NET ASS'Y	AH81-00837G	1
2	Back Cabinet	AH81-00837D	1
3	Unit 3"	AH81-00481F	1
4	Unit 11mm	AH81-00837L	1

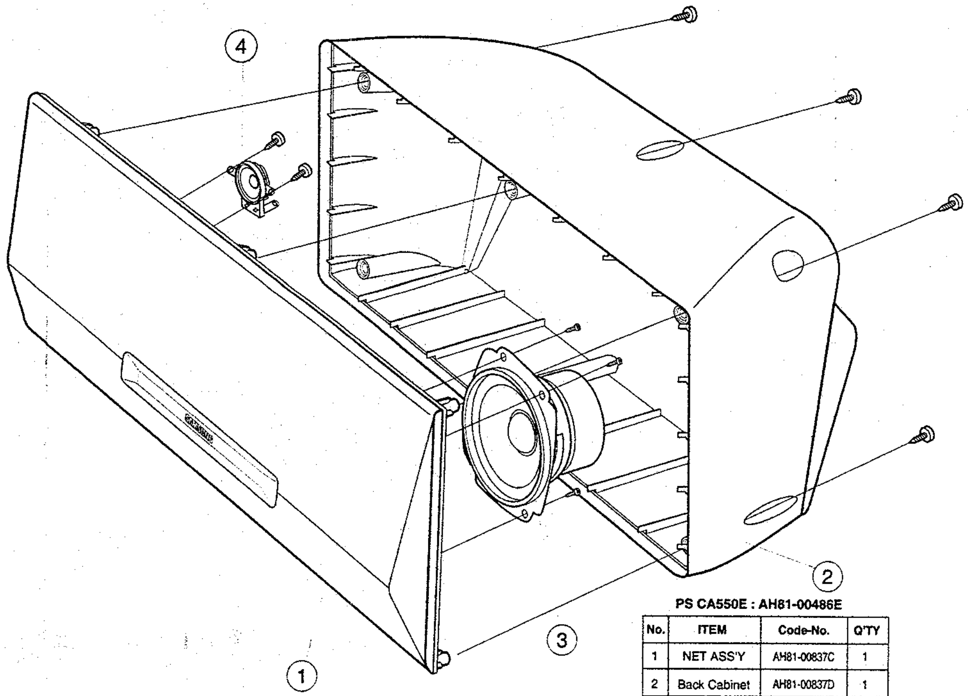
2-3-2 HT-DM550

* CAUSION : It is used the bonding, connect NET FRAME(or FRONT PANEL ASS'Y) to CABINET ASS'Y.
So when the disassembly, take extreme care not to demage the SPEAKER.



PS SA550E : AH81-00486C

No.	ITEM	Code-No.	Q'TY
1	NET ASS'Y	AH81-00837A	1
2	Back Cabinet	AH81-00837B	1
3	Unit 4"	AH81-00484F	1
4	Unit 0.5"	AH81-00837J	1

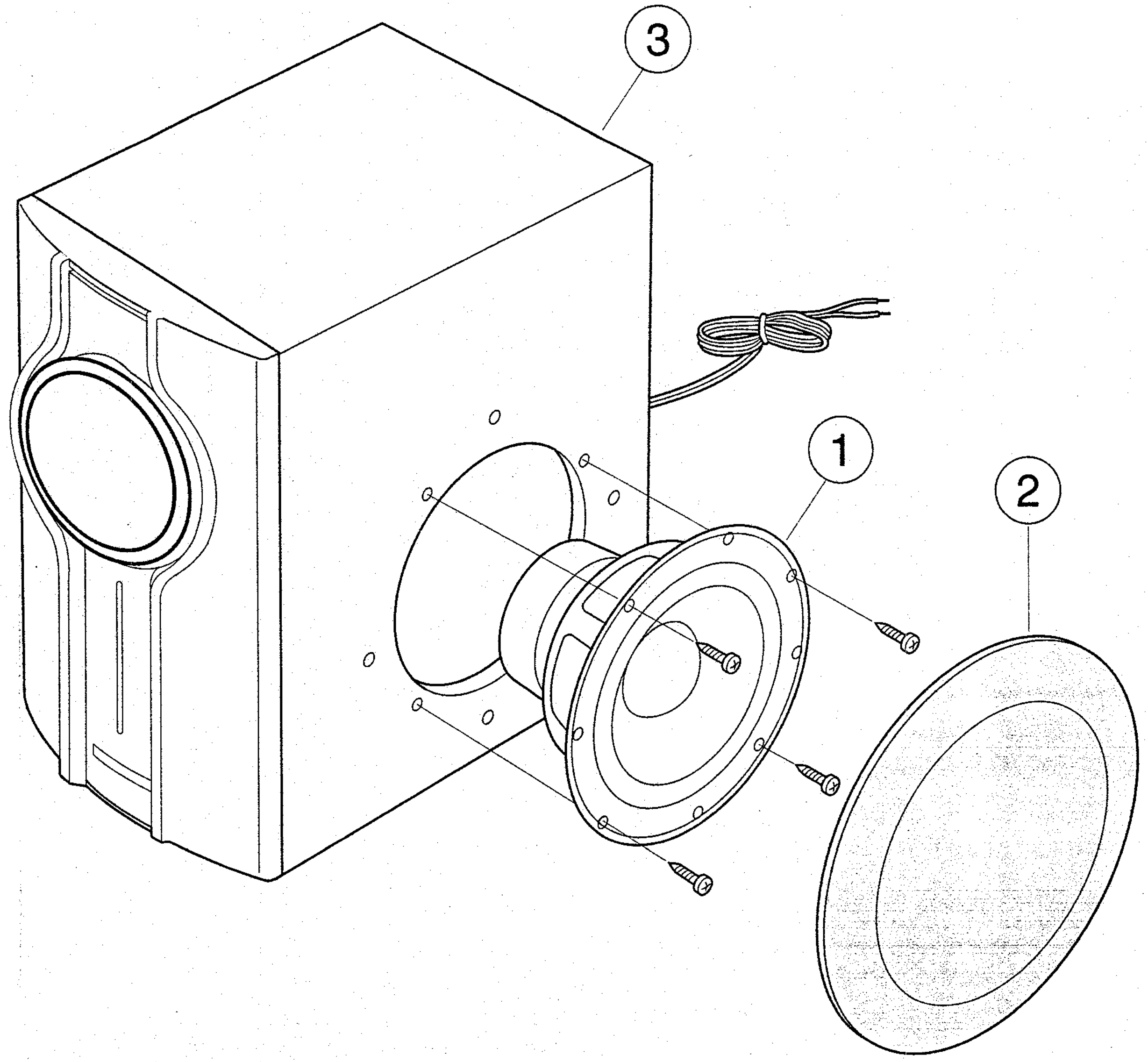


PS CA550E : AH81-00486E

No.	ITEM	Code-No.	Q'TY
1	NET ASS'Y	AH81-00837C	1
2	Back Cabinet	AH81-00837D	1
3	Unit 4"	AH81-00484F	1
4	Unit 0.5"	AH81-00837J	1

2-3-3 SUBWOOFER ; HT-DM150/ 550

* CAUSION : It is used the bonding, connect NET FRAME(or FRONT PANEL ASS'Y) to CABINET ASS'Y.
So when the disassembly, take extreme care not to demage the SPEAKER.



PS WA150E : AH81-00486K
PS WA550E : AH81-00486G

No.	Description	Specification	Code No.	Q'TY
1	UNIT WOOFER	F80C-D0803-4	AH81-00830D	1
2	NET ASS'Y	NET+JERSEY	AH81-00830B	1
3	CABINET ASS'Y	Panel+Cabinet	AH81-00830C	1
	HT-DM150			
	CABINET ASS'Y	Panel+Cabinet	AH81-00830G	1
	HT-DM550			

3. Electrical Parts List

***** HT-DM150 Parts List *****

Location no.	Code no.	Description & Specification	Remarks
	3809-001346	CABLE-FLAT;30V,80C,250MM,24P,1MM,UL2896	
	3809-001347	CABLE-FLAT;30V,80C,150MM,22P,1.25MM,UL28	
	3809-001349	CABLE-FLAT;30V,80C,120MM,13P,1.25MM,UL28	
	4301-000116	BATTERY-ALKALINE;9V,-,-,17.5x26.5x48.5mm	
	AH26-00206C	TRANS POWER;-,HT-DM150,-,0,120V,##22/##1	
	AH31-00029A	MOTOR FAN;C161NK10B0110,RDM6015S,0.15A,-	
	AH39-00258H	POWER CORD;Z-88,-,EP2,125V,10A,1830MM/10	
	AH39-40001U	CABLE-AUDIO CABLE,2P2000;-,-,2P-2P,-,-,-	
	AH39-40001V	CABLE-AUDIO CABLE;-,-,1P-1P,3000MM,-,-,-	
	AH40-00029A	TUNER-PACK ASSY;KST-MM011MS0-0,FM/AM,-,-	
	AH42-00001A	ANTENNA-FM 1P;75OHM,1500##50MM,1007#20,R	
	AH59-00138V	**DECK-MECHA ASSY;-,CMS-D100,-,-,-,-,DVD D**	
	3809-001273	CABLE-FLAT;30V,80C,80MM,40P,1MM,UL2896	
	3809-001274	CABLE-FLAT;30V,80C,85MM,24P,1MM,UL2896	
	AH31-00030A	MOTOR DC;-,RF-300CH,86MA,-,-,1~6V,1410#	
	AH59-00130A	DECK;-,CMS-D100,-,-,-,-,-,CMS-S21MG	
	AH30-00018A	PICK UP;SOH-D21,-,-,-,-,CMS-21MG6	
	AH92-01643A	**ASSY PCB;MM-DB9,FONTEND PCB M5705**	
MZD1	0403-000357	DIODE-ZENER;UZ5.6BM,5.6V,5.4-5.8V,500mW,	
MU10	1003-001418	IC-MOTOR DRIVER;FAN8082,DIP,8P,-,-,1MA,S	
DXT1	2801-000261	CRYSTAL-UNIT;33.8688MHz,50ppm,28-AAA,12p	
RCN1	3708-001574	CONNECTOR-FPC/FFC/PIC;24P,1mm,ANGLE,SN	
MJ5	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
DJ6	3711-003111	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
EXCON1	AH39-00249B	LEAD CONNECTOR ASSY;MX-G50/K5,#1007,28,U	
MJ4	AH39-00368A	LEAD CONNECTOR ASSY;6P,50MM,#1007,-,,6P,	
RD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
MD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
DD2	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
RQ1	0501-000632	TR-SMALL SIGNAL;2SB1197K,PNP,200MW,SOT-2	
RQ2	0501-000632	TR-SMALL SIGNAL;2SB1197K,PNP,200MW,SOT-2	
MU9	1003-001450	IC-MOTOR DRIVER;BA5954FM,SOP,28P,300MIL,	
DU7	1105-001372	IC-DRAM;K4E151512D,1MX16BIT,SOJ,42P,40	
DU5	1107-001203	IC-FLASH MEMORY;49F512,64Kx8Bit,PLCC,32P	
RU1	1201-001790	IC-RF AMP;SP3721A,TQFP,64P,10MIL,SINGLE,	
RU2	1201-001842	IC-OP AMP;TL3472CD,SO,TP,8P,-,DUAL,-,PAL	
DU8	1203-001293	IC-POSI.FIXED REG.;033,T0-252,3P,6.5MIL,	
DU6	1203-001369	IC-VOL. DETECTOR;61AN1902,SOT-23,3P,63MI	
DU3	1204-001936	IC-DECODER;M5705,LQFP,176P,24X24MM,PALST	
RR30	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR23	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR183	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR34	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR5	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR7	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR172	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
CPUR2	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR188	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR55	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR158	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
EXR2	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
EXR1	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR99	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR98	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR102	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR100	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR133	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR132	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR131	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR130	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR134	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR135	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR136	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR137	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR122	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR123	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR124	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR125	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR126	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR127	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR128	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR129	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RR20	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
RR4	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR3	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MR177	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
EXR6	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR183	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR184	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
EXR5	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MR156	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR49	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR44	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR43	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR42	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
EJR1	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR81	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR50	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR45	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR38	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR29	2007-000088	R-CHIP;7.5Kohm,5%,1/16W,DA,TP,1608	
DR88	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR87	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR86	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR85	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR84	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR37	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR191	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR190	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RR18	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RR17	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR157	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR150	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR149	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR91	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR90	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR89	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR114	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR113	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR112	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR111	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR110	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR109	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR108	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR107	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR126A	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR121	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR120	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR119	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR118	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR117	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR116	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR115	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR154	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
DR39	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
DR80	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
MR175	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
MR174	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
MR151	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
DR60	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
DR46	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RR28	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
MR173	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR31	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
DR94	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR93	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR92	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR54	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR53	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR52	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
MR153	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
EXR4	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
EXR3	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR97	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR96	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR95	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR101	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR9	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR18	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR17	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR13	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR11	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR47	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR36	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR34	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR103	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR32	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR33	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
RR21	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RR16	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
RR13	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
DR31	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
DR139	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
DR138	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
MR155	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
MR148	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
MR152	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
DR146	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
RR2	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RR1	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
DR57	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
CPUR16	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
MR168	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
MR167	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
MR165	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
MR164	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
DR51	2007-000962	R-CHIP;5.1Kohm,1%,1/16W,DA,TP,1608	
DR35	2007-000962	R-CHIP;5.1Kohm,1%,1/16W,DA,TP,1608	
DR40	2007-001010	R-CHIP;51Kohm,5%,1/16W,DA,TP,1608	
RR6	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
RR25	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
DR30	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
DR28	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
MC87	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC1	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC12	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC2	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC21	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
MC81	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC86	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC87	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC88	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC91	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
EJC2	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC32	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC33	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC34	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC4	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC7	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC31	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC26	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC27	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC28	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC29	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC3	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC49	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC52	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC72	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC73	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC74	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC48	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC32	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC35	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC36	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC38	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC39	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC81	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC82	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC83	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC84	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC85	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC80	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC75	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC76	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC77	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC78	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC79	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC19	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
DC90	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC89	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC71	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC70	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC69	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC66	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC67	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC68	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
RC8	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC6	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC20	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DC51	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DC50	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DC40	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
MC82	2203-000592	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
EJC1	2203-000592	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
MC84	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
RC16	2203-000972	C-CERAMIC,CHIP;47nF,10%,16V,X7R,TP,1608	
DC44	2203-000972	C-CERAMIC,CHIP;47nF,10%,16V,X7R,TP,1608	
DC33	2203-000972	C-CERAMIC,CHIP;47nF,10%,16V,X7R,TP,1608	
CPUC7	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
DC37	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
DC34	2203-001052	C-CERAMIC,CHIP;0.56nF,10%,50V,X7R,TP,160	
DC42	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
RC9	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC18	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC17	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC15	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC14	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
MC83	2203-001408	C-CERAMIC,CHIP;0.27nF,5%,50V,NP0,TP,1608	
DC56	2203-001573	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
DC54	2203-001573	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
RC35	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
RC13	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
RC11	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
RC10	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
DC46	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
DC45	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
RC36	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
DC43	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
DC62	2203-005261	C-CERAMIC,CHIP;1000nF,10%,25V,X7R,TP,321	
DTC6	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
RTC3	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC4	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC5	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC6	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC2	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
CPUTC1	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
DTC11	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
DTC12	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
DTC13	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
MCE1	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
DTC7	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
RL2	2703-000001	INDUCTOR-SMD;10uH,10%,2.5x3.2x2mm	
RL1	2703-000001	INDUCTOR-SMD;10uH,10%,2.5x3.2x2mm	
DL7	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DL6	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DL5	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DL4	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DJ3	3708-001645	CONNECTOR-FPC/FFC/PIC;40P,1MM,SMD-S-ZIF,	
	AH92-01658A	**ASSY PCB;HT-DM150, HAVE A MIC**	
X1	2801-004132	CRYSTAL-UNIT;13.5MHZ,10PPM,ATS-49/U,24PF	
Q6	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q7	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q8	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q3	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q4	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q5	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
U15	0801-002683	IC-CMOS LOGIC;74HCT245,TRANSCEIVER,TSSOP	
U12	0802-001109	IC-BICMOS LOGIC;74LVT573,D FLIP-FLOP,TSS	
U11	0802-001109	IC-BICMOS LOGIC;74LVT573,D FLIP-FLOP,TSS	
U10	0802-001109	IC-BICMOS LOGIC;74LVT573,D FLIP-FLOP,TSS	
AU13	1105-001369	IC-DRAM;-,4MX16BIT,TSOP(II),54P,400MIL,7	
AU14	1105-001369	IC-DRAM;-,4MX16BIT,TSOP(II),54P,400MIL,7	
U6	1107-001318	IC-FLASH MEMORY;SST39VF800A,8MX16BIT,TSO	
U9	1203-002369	IC-POSI.ADJUST REG.;AMS317,TO-252,3P,240	
U8	1204-001981	IC-DECODER;ZIVA-5P,PQFP,208P,28X28MM,PLA	
VJL1	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
VR11	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR14	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR17	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR3	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR6	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR8	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
AR5	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R10	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R114	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R5V	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R34	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR8	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR1	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R60	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R99	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R31	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R32	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R54	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R56	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R98	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R20	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R108	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R109	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R110	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R111	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R112	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R107	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R82	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R81	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R80	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R79	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R78	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R90	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R88	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R86	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R85	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R84	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R83	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R64	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R63	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R6	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R59	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R58	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R57	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R75	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R73	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R71	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	

Location no.	Code no.	Description & Specifiation	Remarks
R66	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R68	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R69	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
VR9	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR4	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR2	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR12	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
R61	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
R55	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
VR7	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR5	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR16	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR13	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR10	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR1	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR15	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
AR1	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
C71	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C75	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C76	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C77	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C67	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C66	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C64	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C62	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C61	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C79	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
VC10	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C99	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C98	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C90	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C89	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C88	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C87	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C86	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C80	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C59	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C105	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C104	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C103	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C101	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC5	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC4	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC3	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC2	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC1	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C106	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C55	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C54	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C51	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C46	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C37	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C107	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C29	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C32	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C36	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C102	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C96	2203-000384	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,160	
C97	2203-000552	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,1608	
AC9	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
C82	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C68	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C48	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C38	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C33	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C84	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C28	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
C30	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
C73	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
C85	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
PL3	3301-000325	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,-,-	
L49	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L52	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L53	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L54	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
OL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
OL2	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
PL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
VL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L48	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L30	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L32	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L40	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L41	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L47	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L44	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L43	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L42	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L50	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L55	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L56	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L39	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L38	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L1	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
J14	3708-001615	CONNECTOR-FPC/FFC/PIC;24P,1MM,SMD-S,SN	
J6	3708-001645	CONNECTOR-FPC/FFC/PIC;40P,1MM,SMD-S-ZIF,	
J21	3708-001646	CONNECTOR-FPC/FFC/PIC;10P,1MM,SMD-S-LIF,	
PCB	AH41-00485A	PCB;HT-DL100,EOPXY,2,-,1.20T,150*1	
	AH97-00822A	**ASSY DVD DECK;-,-,HT-DL100**	
	3409-001119	SWITCH-DETECTOR;5V DC,1.0A,DPST,30gf,-	
	AH39-00104A	LEAD CONNECTOR ASSY;-,35023,51004,5P,200	
	AH59-01090D	**SPEAKER SYSTEM-SPEAKER SYSTEM;PSDM150E,-**	
	AH59-01101F	**REMOCON-ASSY;HT-DM150,SAMSUNG,-,-,62KEY,**	
	AH92-01624A	**ASSY PCB;HT-DM150,MAIN PCB ASSY, KOREA**	
PBD2	0402-001077	DIODE-BRIDGE;KBP202G,200V,2A,SIP-4	
PBD1	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
BD4	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
BD3	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
BD2	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
Q40	0502-000299	TR-POWER;KSD73,NPN,30W,TO-220,BK,120-24	
PQ3	0502-000303	TR-POWER;KSD882,NPN,1W,TO-126,TP,160-32	
Q31W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q34C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33W	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34W	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q32C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q32FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q32FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q32RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q32RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q32W	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
IC4	1203-000110	IC-NEGA.FIXED REG.;7912,TO-220,3P,-,PLAS	
IC8	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
IC3	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
PQ2	1203-001006	IC-VOLTAGE REGULATOR;78R05,TO-220F,4P,-,	
PQ6	1203-001006	IC-VOLTAGE REGULATOR;78R05,TO-220F,4P,-,	
PQ4	1203-001586	IC-VOLTAGE REGULATOR;278R33,TO-220F,4P,-	
PQ1	1203-001589	IC-POSI.FIXED REG.;278R05,TO-220F,4P,-,P	
PQ5	1203-001697	IC-VOLTAGE REGULATOR;78R08,TO-220,4P,-,P	
PR4	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
R39	2003-000578	R-METAL OXIDE(S);220ohm,5%,2W,AA,TP,4x12	
R38	2003-000616	R-METAL OXIDE(S);27ohm,5%,2W,AA,TP,4x12m	
PR1	2003-000701	R-METAL OXIDE(S);470ohm,5%,2W,AA,TP,4x12	
R30	2003-000767	R-METAL OXIDE(S);680ohm,5%,2W,AA,TP,4x12	
R25	2003-000767	R-METAL OXIDE(S);680ohm,5%,2W,AA,TP,4x12	
R45	2003-000807	R-METAL OXIDE(S);82ohm,5%,2W,AA,TP,4x12m	
R98W	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97W	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
PC1	2401-000230	C-AL;100uF,20%,100V,GP,TP,12.5x20mm	
PC5	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
C35	2401-001361	C-AL;470uF,20%,16V,BP,TP,13x20mm,5m	
PC4	2401-001879	C-AL;10000uF,20%,16V,GP,TP,18x35.5m	
PC3	2401-001879	C-AL;10000uF,20%,16V,GP,TP,18x35.5m	
C22	2401-001959	C-AL;4700uF,20%,25V,GP,TP,18x35.5,7	
C23	2401-001959	C-AL;4700uF,20%,25V,GP,TP,18x35.5,7	
C19	2401-002258	C-AL;4700uF,20%,50V,GP,-,22x40mm,5m	
C18	2401-002258	C-AL;4700uF,20%,50V,GP,-,22x40mm,5m	
C20	2401-003116	C-AL;4700uF,20%,35V,-,BK,18X35.5,7.	
C21	2401-003116	C-AL;4700uF,20%,35V,-,BK,18X35.5,7.	
RE7	3501-001197	RELAY-MINIATURE;12VDC,0.54W,44.4mA,1Form	
RE6	3501-001197	RELAY-MINIATURE;12VDC,0.54W,44.4mA,1Form	

Location no.	Code no.	Description & Specification	Remarks
RE5	3501-001197	RELAY-MINIATURE;12VDC,0.54W,44.4mA,1Form	
CW4	3710-001405	CONNECTOR-SOCKET;5P,1R,2mm,ANGLE,SN	
PW1	3711-000963	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGH	
CW3	3711-001098	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
PW2	3711-003111	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
CW9	3711-004055	CONNECTOR-HEADER;3WALL,5P,1R,2mm,STRAIGH	
CW5	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
CW7	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
PW3	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
J2	3716-001132	TERMINAL-BLOCK;SOLDER,4P,-,-,-	
J1	3716-001173	TERMINAL-BLOCK;SOLDER,8P,12.5MM,60V,7A	
J3	3722-001606	JACK-PIN;4P,3.5mm,NI,BLK(WHT2/RED2),-	
L3W	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3RR	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3RL	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3C	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3FL	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3FR	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
CCON1	AH39-00111A	LEAD CONNECTOR ASSY;-,5295,51004,5P,70MM	
PW4	AH39-00426A	WIRE HARNESS;-,-,-,6P,-,-,-,5264,51088,-	
PD5	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD3	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD2	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D36W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D51	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D52	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D53	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D54	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D55	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D65	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PD8	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PD9	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D34	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D202	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D203	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D204	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D205	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D206	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D207	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D208	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D21	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D12	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D13	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D14	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D15	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D16	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D17	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D20	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D201	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D218	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D219	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D28	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D29	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D30	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D31	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D32	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D33	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D210	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D211	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D212	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D213	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D217	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D216	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D215	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D214	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
DS2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
DS1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D41RR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	

Location no.	Code no.	Description & Specification	Remarks
D41RL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D41FR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D41FL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D41C	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D40W	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D42RR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D42RL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D42FR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D42FL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D42C	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D41W	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D40RR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D39FR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D39FL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D39C	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D24	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D23	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D22	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D40RL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D40FR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D40FL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D40C	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D39RR	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D39RL	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D42W	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39W	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
ZD13	0403-000004	DIODE-ZENER;UZ12BM,12V,11.6-12.4V,500mW,	
ZD12	0403-000382	DIODE-ZENER;UZP15B,15V,13.9-15.6V,1W,DO-	
ZD11	0403-000382	DIODE-ZENER;UZP15B,15V,13.9-15.6V,1W,DO-	
PZD2	0403-000564	DIODE-ZENER;TZP16A,16V,15.3-17.1V,1W,DO-	
PZD1	0403-000564	DIODE-ZENER;TZP16A,16V,15.3-17.1V,1W,DO-	
ZD6C	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6FL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6FR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6RL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6RR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6W	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5C	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5FL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5FR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5W	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5RR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5RL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD207	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD208	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD209	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD210	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD211	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD212	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD201	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD202	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD203	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD204	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD205	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD206	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
PD10	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100mA,DO-34,TP	
Q25C	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24W	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24RR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24RL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24FR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24FL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q9	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q25W	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q25RR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q25RL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q25FR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q25FL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24C	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q22W	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q22RR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q22RL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q22FR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q22FL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q22C	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23W	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23RR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23RL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23C	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23FL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23FR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q28C	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27W	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27RR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27RL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27FR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27FL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q4	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28W	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28RR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28RL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28FR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28FL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	

Location no.	Code no.	Description & Specification	Remarks
Q27C	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q21W	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q21RR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q21RL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q21FR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q21FL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q21C	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q26W	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q26RR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q26RL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q26C	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q26FL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q26FR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q20FR	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q20RL	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q20RR	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q20W	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q13	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q16	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q20C	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q20FL	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q7	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q18FL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18FR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18RL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18RR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18W	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q8	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18C	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17C	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17FL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17FR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17W	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17RR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17RL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q35FR	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q35FL	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q35C	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q19W	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q35RL	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q35RR	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q35W	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q5	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q19RR	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q10	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q11	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q14	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q15	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q19RL	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q19FR	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q19FL	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q19C	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q6	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
Q39	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q38	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q37	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q12	0504-001003	TR-DIGITAL;KSR2003,PNP,300MW,22K/22K,TO-	
IC7	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
IC6	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
IC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
PQ7	1203-002296	IC-VOLTAGE REGULATOR;BA3254FP,DUAL VOLT,	
PR22	2001-000793	R-CARBON;47ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R53	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
R79RL	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79RR	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79W	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79FR	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79FL	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79C	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R71	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R65	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R63	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R58	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R56	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R54	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R74	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R84RR	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R84RL	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R84FR	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R84FL	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R84C	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81W	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R142	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R123	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R112	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R107	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R101	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R143	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R51	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R50	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R203R	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R203L	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200R	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200L	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
PR5	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
PR3	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R99W	2007-000310	R-CHIP;10OHM,5%,1/2W,DA,TP,5025	
R99RR	2007-000310	R-CHIP;10OHM,5%,1/2W,DA,TP,5025	
R99RL	2007-000310	R-CHIP;10OHM,5%,1/2W,DA,TP,5025	
R99FR	2007-000310	R-CHIP;10OHM,5%,1/2W,DA,TP,5025	
R99FL	2007-000310	R-CHIP;10OHM,5%,1/2W,DA,TP,5025	
R99C	2007-000310	R-CHIP;10OHM,5%,1/2W,DA,TP,5025	
R64	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
PR21	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
PR2	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R37C	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R37FL	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R37FR	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R37RL	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R37RR	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R37W	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R34C	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R34FL	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R34FR	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R34W	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R34RR	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R34RL	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
PR8	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R77C	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77FL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77FR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77RL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77RR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76C	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76FL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76FR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76RL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76RR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77W	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R76W	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R35W	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R35RR	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88C	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88FL	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88FR	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88RL	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88RR	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R35RL	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R32C	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R32FL	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R32FR	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R32RL	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R32RR	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R35FR	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R35FL	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R35C	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R32W	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88W	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R85W	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R85RR	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R85RL	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R85FR	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R85FL	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R85C	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R90W	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R90RR	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R90RL	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R90FR	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R90FL	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R90C	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R134	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R115	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R114	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R110	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R109	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R104	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R103	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R132	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R131	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R126	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R120	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R121	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R125	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R42	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R55	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R57	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R59	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R62	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R67	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR6	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR9	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R12	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R40	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R22	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specification	Remarks
R21	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R36C	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R36FL	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R36FR	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R36RL	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R36RR	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R36W	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R84W	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
PR7	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R33C	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R33FL	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R33FR	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R33W	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R33RR	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R33RL	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R83FL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83C	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82W	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82RR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83FR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83RL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83RR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83W	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82RL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R100	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R106	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R111	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R122	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R128	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82C	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82FL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82FR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R73	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R95FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R94W	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R94RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R94RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R94FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R94FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R94C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96W	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95W	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R93W	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91W	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R52	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R93RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R93RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R93FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R93FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R93C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92W	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R43	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R61	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R69	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R70	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R204R	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R20	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R201L	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R201R	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R204L	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R81C	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R81FL	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R81FR	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R81RL	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R81RR	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R117	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R41	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R47	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R66	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R68	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R89FL	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R89C	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R86W	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R89FR	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R89RL	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R89RR	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R89W	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R86RR	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R105	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R116	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R127	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R86C	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R86RL	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R86FR	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R86FL	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R49	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75C	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75FL	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75FR	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75RL	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75RR	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75W	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R108	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R113	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R119	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R135	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R48	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R39FR	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R39FL	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R87W	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87RR	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87RL	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87FR	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R118	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87C	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87FL	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R80C	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78W	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78RR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78RL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78FR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80W	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80RR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80RL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80FR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80FL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78FL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38FL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38C	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R19	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R18	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R17	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78C	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38W	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38RR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38RL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38FR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R60	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
R72	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R98C	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R98FL	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R98FR	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R98RL	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R98RR	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R97C	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R97FL	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R97FR	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R97RL	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
R97RR	2007-008317	R-CHIP;0.15OHM,5%,1W,DA,TP,6432	
PC20	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,TP,	
PC19	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,TP,	
C17	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,TP,	
C16	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,TP,	
C15	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,TP,	
C33RR	2201-000300	C-CERAMIC,DISC;1nF,20%,50V,Y5T,TP,5x3,5	
C33RL	2201-000300	C-CERAMIC,DISC;1nF,20%,50V,Y5T,TP,5x3,5	
C32W	2201-000300	C-CERAMIC,DISC;1nF,20%,50V,Y5T,TP,5x3,5	
C32C	2201-000300	C-CERAMIC,DISC;1nF,20%,50V,Y5T,TP,5x3,5	
C33FL	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C32RR	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C32RL	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C32FR	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C32FL	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C44W	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
C71C	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C71RL	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C71RR	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C71W	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C70FR	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C33C	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C33FR	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C33W	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C70FL	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C44RR	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C44RL	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C44FR	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C44FL	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	

Location no.	Code no.	Description & Speciflation	Remarks
C44C	2203-000704	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,RH,TP,	
C205R	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C205L	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C202R	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C202L	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
MC604	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
MC605	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
MC606	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
MC601	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
MC602	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
MC603	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C41W	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41RR	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41RL	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41C	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41FL	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41FR	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C47W	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47RR	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47RL	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47FR	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47FL	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47C	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C56W	2301-000430	C-FILM,PEF;33nF,10%,50V,TP,9x12.5x4.5mm,	
PC2	2401-000357	C-AL;100UF,0.2,50V,GP,8*12,5MM,SSL	
C34	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C40W	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40RR	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40RL	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40FR	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40FL	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40C	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C29	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
C28	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
PC8	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC6	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC13	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC10	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
C43RR	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43RL	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43FR	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43FL	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43C	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
PC18	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
PC16	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
C43W	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C37	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C39	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
PC14	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC15	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC17	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC7	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC9	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C25	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C26	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C27	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC11	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC12	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C38	2401-001912	C-AL;1uF,20%,50V,GP,5*11,5mm,TP	
C36	2401-001912	C-AL;1uF,20%,50V,GP,5*11,5mm,TP	
C30	2401-001969	C-AL;470uF,20%,25V,GP,TP,10x12.5,5	
C31	2401-001969	C-AL;470uF,20%,25V,GP,TP,10x12.5,5	
C55	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
C54	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
C52	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
	AH92-01625A	**ASSY PCB;HT-DM150,FRONT PCB ASSY**	
ULD3	0601-001238	LED;ROUND,RED,3.1mm,697nm	
ULED2	0601-001432	LED;ROUND,BLUE,3mm,455nm	
ULED1	0601-001432	LED;ROUND,BLUE,3mm,455nm	
ULD4	0601-001432	LED;ROUND,BLUE,3mm,455nm	
UIC2	1003-001403	IC-VFD;LC75725E,QFP,64P,677MIL,-,30MA	
E-VR	3406-001047	SWITCH-ROTARY;5V DC,0.5mA,-,12mm	
UW1	3708-000454	CONNECTOR-FPC/FFC/PIC;22P,1.25mm,STRAIGH	
UCW4	3711-000968	CONNECTOR-HEADER;BOX,4P,1R,2mm,STRAIGHT,	
HJ1	3722-000351	JACK-PHONE;11P,3.5PI,AG,BLK,-	
UEYE	AC59-60060A	MODULE REMOCON;GP1U281R,SHARP,38KHZ,-,-,	
VFD	AH07-00081A	VF DISPLAY;HNV-11SS34T,HT-DM150,100X25,1	
UW3	AH39-00433A	CBF HARNESS;HT-DM150,1061#26,-,4P,-,-,-,	
	AH39-50001K	WIRE HARNESS;RING,1007#24,140MM,BLK	
UD2	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD105	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD104	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD103	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD100	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD101	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD102	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD10	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
HD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UZD1	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64V,500	

Location no.	Code no.	Description & Speciflation	Remarks
UQ3	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
UQ2	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ1	0504-001003	TR-DIGITAL;KSR2003,PNP,300MW,22K/22K,TO-	
UR32	2001-000023	R-CARBON;47OHM,5%,1/4W,AA,TP,2.4X6.4MM	
UR31	2001-000023	R-CARBON;47OHM,5%,1/4W,AA,TP,2.4X6.4MM	
UR42	2001-000034	R-CARBON;220ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR82	2001-000062	R-CARBON;470ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR26	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR38	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR37	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR36	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR35	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR40	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR80	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR81	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR39	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR34	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR33	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR30	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR81	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR27	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR52	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR51	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR28	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR31	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR41	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR29	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
HC3L	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
HC3R	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
UC81	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,7	
HC1	2201-000282	C-CERAMIC,DISC;1nF,+80-20%,50V,Y5V,TP,5x	
UC9	2201-000389	C-CERAMIC,DISC;0.022nF,5%,50V,NP0,TP,5x3	
UC5	2201-000565	C-CERAMIC,DISC;47nF,+80% -20% 50V Y5V 12	
UC4	2201-000565	C-CERAMIC,DISC;47nF,+80% -20% 50V Y5V 12	
UC7	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC2	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC1	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
HC2L	2201-000928	C-CERAMIC,DISC;2.7nF,20%,16V,Y5R,TP,3.5x	
HC2R	2201-000928	C-CERAMIC,DISC;2.7nF,20%,16V,Y5R,TP,3.5x	
UC80	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
UC100	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
UC3	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
UC6	2401-001912	C-AL;1uF,20%,50V,GP,5*11,5mm,TP	
HL1R	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
HL1L	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
SW7	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW6	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW5	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW4	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW1	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW2	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW3	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
	AH92-01627A	**ASSY PCB;HT-DM150,JACK PCB ASSY**	
VIC4	1001-001173	IC-RF AUDIO SWITCH;BA7612F,-,SOIC,8P,173	
VW3	3708-000347	CONNECTOR-FPC/FFC/PIC;10P,1MM,STRAIGHT,S	
VW4	3708-001051	CONNECTOR-FPC/FFC/PIC;13P,1.25mm,ANGLE,S	
VW1	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
VW2	3711-004110	CONNECTOR-HEADER;3WALL,12P,1R,2mm,STRAIG	
VJ3	3722-001502	JACK-DIN;4P,-,SN,BLK,-	
VJ1	3722-001693	JACK-PIN;3P,8.3PI,NI-P,GRN/BLK/RED,-	
VIDEO1	3722-001848	JACK-PIN;3P,8.3PI,NI,YEL/YEL/YEL,-	
VR10	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR26	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR29	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR27	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR22	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR23	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR24	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR25	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR28	2001-000869	R-CARBON;56ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR6	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR31	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR30	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR28	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR2	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR13	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR1	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VC23	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
VC22	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
VC16	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
VC1	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
VC7	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC3	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC2	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC18	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC11	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC20	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC19	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC17	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC15	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	

Location no.	Code no.	Description & Specification	Remarks
	AH92-01631A	**ASSY PCB;HT-DM150,DSP PCB ASSY, USA**	
OJACK	0603-001068	OPTIC TRANSMITTER;5V,6Mb/s,5m,-15dBm,660	
FIC1	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
RIC12	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
CIC12	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
UX2	2802-001157	RESONATOR-CERAMIC;6MHZ,-,BK,8X5.5X3MM	
UW4	3708-000454	CONNECTOR-FPC/FFC/PIC;22P,1.25mm,STRAIGH	
UW6	3708-001574	CONNECTOR-FPC/FFC/PIC;24P,1mm,ANGLE,SN	
UW7	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW3	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW2	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW1	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW8	3710-001422	CONNECTOR-SOCKET;12P,1R,2mm,ANGLE,SN	
NW11	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5mm,STRAIGH	
UW5	3711-000968	CONNECTOR-HEADER;BOX,4P,1R,2mm,STRAIGHT,	
	AH65-30013A	CLAMP-CORD;-,-,-,-,-,-	
UD9	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD8	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD7	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD5	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD21	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD22	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD3	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD8	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD9	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
DD102	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
HD11	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
HD12	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD12	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD18	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
UD6	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
UD10	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
FZD1	0403-001387	DIODE-ZENER;UDZS5.1B,4.89-5.2V,200mW,SOD	
CZD11	0403-001409	DIODE-ZENER;RLZ9.1B,8.57-9.01V,500MW,LL-	
DQ13	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
HQ11L	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
HQ11R	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
UQ3	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ12	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
DIC12	0801-002564	IC-CMOS LOGIC;74VHCT244A,BUFFER,TSSOP,20	
DIC16	0801-002639	IC-CMOS LOGIC;74VHC574,D F/F,TSSOP,20P,1	
DIC17	0801-002639	IC-CMOS LOGIC;74VHC574,D F/F,TSSOP,20P,1	
DIC13	0802-001007	IC-BICMOS LOGIC;74LCX244,BUFFER,TSSOP,20	
DIC14	1001-001170	IC-AUDIO SWITCH;CS8415A-CZ,RECEIVER&DECO	
DIC21	1103-001181	IC-EEPROM;27L010,128Kx8Bit,PLCC,32P,495M	
RIC13	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
RIC11	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC6	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
CIC11	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
CIC13	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC11	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC2	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
HIC11	1201-001285	IC-OP AMP;4556,SOP,8P,150MIL,+/-18V,100d	
FIC12	1204-001465	IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
DIC11	1204-001840	IC-DECODER;CS493263-CL(G),PLCC,44P,653MI	
DIC15	1204-001842	IC-ENCODER/DECODER;CS4228A-KS,SSOP,28P,2	
ODR31	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
ODR20	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
DD11	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ODR11	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
UR75	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
UR53	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR54	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR55	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR56	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR57	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR58	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR59	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR48	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR39	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR40	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR41	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR42	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR43	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR45	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR46	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR69	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR70	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR86	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR95	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR96	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR97	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR68	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR6	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR62	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR63	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR64	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR65	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR66	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR67	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR32	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RR20	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RR21	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR1	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR11	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR13	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR14	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR31	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
CR30	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
CR31	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR35	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR37	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR41	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR52	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR71	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR202	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR28	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR32	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR33	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR36	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR37	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR15	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR160	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR161	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR162	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR19	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR18	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR163	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
HR18L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR18R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR20L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR20R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
SR16	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
FR11	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR13L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR13R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR17L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR17R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
DR42	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
UR34	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
DB20	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RR16R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR16L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR51R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR51L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR35R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR35L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR25L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR9	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR8	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR4	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR205	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR204	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR25R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR15	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR14	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR13	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR12	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
CR23	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
CR16	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR33	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR51	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR47	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR46	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR43	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR44	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR45	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR13R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR13L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR12R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR12L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR11R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR11L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR21R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR91	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR90	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR17	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR16	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
SR14	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR14R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR14L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR12R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR12L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR34	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR14	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR13	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR12	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR11	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR21L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
FR19R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR19L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR18R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR17L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR17R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR18L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR53L	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
FR53R	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR18L	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR18R	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
SR18	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
UR73	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
CR18	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR102	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR16	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR32	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR21	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR17	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
FR20R	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RR15L	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RR15R	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
SR15	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
CR15	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
FR13L	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
FR13R	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
FR20L	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
UR29	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR30	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR31	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR44	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR47	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR203	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR21	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR22	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR23	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR24	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR49	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR78	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR79	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR81	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR83	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR85	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR50	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR52	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR60	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR61	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR77	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR102	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR26	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR27	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR28	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR29	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR30	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR18	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR22	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR23	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR24	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR25	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR36	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR26L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR26R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
HR12L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
HR12R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR101	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR501	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR24L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR24R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR25L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR25R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR13	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
SR12	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
SR11	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
HR14R	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RR17L	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RR17R	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
SR17	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
HR14L	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
CR17	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
DR38	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
FR52L	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
FR52R	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
UR38	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
FR6	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
FR5	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
HR16R	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
HR16L	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
FR4	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
FR10	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
HR11R	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
HR11L	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
UR72	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RR19R	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
RR19L	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
CR19	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
HR15L	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
HR15R	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
FR54R	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
FR54L	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
DR39	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
UR74	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
FR7	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
FR28R	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
FR28L	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
UR84	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
DR19	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
DR40	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
FR23R	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
FR23L	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
FR22R	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
FR22L	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
SR19	2007-000539	R-CHIP;200ohm,5%,1/16W,DA,TP,1608	
DR61	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
DR62	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
FR2	2007-007147	R-CHIP;680OHM,5%,1/4W,DA,TP,3225	
CR21	2007-007361	R-CHIP;82OHM,5%,1/2W,DA,TP,4532	
UC5	2203-000062	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,1	
UC46	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC53R	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC53L	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC52R	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC52L	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
DC44	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC89	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
OC13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC43	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
FC50R	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FC50L	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CC20	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FC51R	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
FC51L	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
DC39	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
FC60R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC36L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC36R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC39L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC39R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
CC24	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
CC27	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
FC58L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
FC58R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
FC60L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
UC82	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
SC28	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
FC42	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
FC73R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC33L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC33R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC35L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC35R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
SC23	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC73L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
CC21	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
CC23	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC49L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC55R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC55L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC49R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC41	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
FC57	2203-001034	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,TP,1608	
FC56	2203-001034	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,TP,1608	
SC20	2203-001211	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,1608	
RC32L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC31R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC31L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC32R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC51L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC51R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
CC18	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
CC19	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC47L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC48R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC48L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC47R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
HC21L	2203-001640	C-CERAMIC,CHIP;0.39nF,10%,50V,X7R,TP,160	
HC21R	2203-001640	C-CERAMIC,CHIP;0.39nF,10%,50V,X7R,TP,160	
DC30	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
DC134	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
DC72	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC49	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC48	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC46	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC41	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
UC6	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
OC12	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
OC11	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC75	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC74	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC40	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC19	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC18	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC17	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC16	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC133	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC37	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC36	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V;X7R,TP,1608	
DC32	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC26	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC22	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC19	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
SC18	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
HC12	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
HC11	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
FC3	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
FC2	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
FC1	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
UC4	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
UC101	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
FC8	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC9	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
RC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
RC12	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
RC17	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
SC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC16	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CC15	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC10	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC13	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC12	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
DC71	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC73	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC91	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
FC99	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC20	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC21	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC31	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC51	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
FC24	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC23	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC20R	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC25	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC26	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
RC13	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
RC14	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
CC12	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
DC25	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC14L	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC14R	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC19L	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC19R	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC20L	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
UC3	2401-000752	C-AL;220nF,20%,50V,GP,BK,3x5,1mm	
RC15	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC16	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC19	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC20	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC12	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC13	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC14	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
UC2	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
CC13	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
CC14	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC17L	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC17R	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC74	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC73	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC72	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC71	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
HC14	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
HC13	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
FC28	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
HC15	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
HC16	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
NC11	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
RC18	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C17	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
CC16	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
CC17	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
DC42	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
DC45	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
FC15	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
FC27	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
DC28	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
UC1	2409-000123	C-EDL;47000uF,4uA,5.5V,-,BK,-,5mm	
DX11	2804-001446	OSCILLATOR-CLOCK;12.288MHZ,25PPM,TTL,ST,	
DB25	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB24	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB23	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB29	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB30	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
OD11	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB22	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB12	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB13	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB14	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB15	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB16	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB19	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
UIC1	AH11-00049D	MASK ROM;LC866548V-50B9,HT-DM150,-,QFP,	

AH92-01634A ASSY PCB;HT-DM150,POWER PCB ASSY, UL

Location no.	Code no.	Description & Specification	Remarks
RBD1	0402-001077	DIODE-BRIDGE;KBP202G,200V,2A,SIP-4	
RIC2	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
RIC1	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
RR3	2003-000603	R-METAL OXIDE(S);270ohm,5%,1W,AA,TP,3.3x	
RR10	2003-000606	R-METAL OXIDE(S);270ohm,5%,2W,AA,TP,4x12	
RC4	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC3	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC2	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC1	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC6	2401-001413	C-AL;470uF,20%,35V,GP,-,10x20,5mm	
RE3	3501-001008	RELAY-POWER;12Vdc,530mW,10A,1FormC,15mS,	
RE1	3501-001159	RELAY-MINIATURE;12VDC,0.54W,44.4MA,SPST,	
RFU3	3601-000184	FUSE;250V,160mA,TIME-LAG,GLASS,5x20	
RFU1	3601-001245	FUSE-CARTRIDGE;125V,4A,TIME DELAY,GLASS	
RCW1	3711-000190	CONNECTOR-HEADER;1WALL,2P,1R,7.92mm,STRA	
RCW3	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
RCW2	3711-004848	CONNECTOR-HEADER;BOX,3P,1R,7.92MM,STRAIG	
RPT1	AH26-00143A	TRANS POWER;-,HT-DL100,-,6,144V,24V/9V,0	
RL4	AH27-00035A	COIL FILTER;SA880A,500UH##30%,-,8T	
RD9	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD8	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD7	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD4	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD3	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RZD3	0403-000004	DIODE-ZENER;UZ12BM,12V,11.6-12.4V,500mW,	
RZD2	0403-000352	DIODE-ZENER;UZ4.7BM,4.7V,4.4-5.0V,500mW,	
RZD1	0403-000354	DIODE-ZENER;UZ5.1B,5.1V,4.8-5.4V,500mW,D	
RQ3	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ2	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ1	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
RR4	2001-000050	R-CARBON;2.7Kohm,5%,1/4W,AA,TP,2.4x6.4m	
RR19	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR17	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR14	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR18	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR19	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR5	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR2	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR15	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR7	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR9	2001-000702	R-CARBON;39Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR16	2001-000773	R-CARBON;470Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR11	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR13	2001-000850	R-CARBON;560Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR12	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR6	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR8	2001-001050	R-CARBON(S);1.5Kohm,5%,1/2W,AA,TP,2.4x6.	
RR1	2001-001095	R-CARBON(S);2.2Mohm,5%,1/2W,AA,TP,2.4x6.	
RC8	2401-000438	C-AL;10uF,20%,25V,GP,-,5x11,5mm	
RC13	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
RC7	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
RC9	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
RC11	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC10	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
RC12	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
RFU3	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RFU1	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	

***** HT-DM550 Parts List *****

3809-001346	CABLE-FLAT;30V,80C,250MM,24P,1MM,UL2896	
3809-001348	CABLE-FLAT;30V,80C,150MM,22P,1.25MM,UL28	
3809-001349	CABLE-FLAT;30V,80C,120MM,13P,1.25MM,UL28	
4301-000116	BATTERY-ALKALINE;9V,-,-,17.5x26.5x48.5mm	
AH26-00198C	TRANS POWER;-,HT-DM550,-,0,120V,##45/##2	
AH31-00029A	MOTOR FAN;C161NK10B0110,RDM6015S,0.15A,-	
AH39-00258H	POWER CORD;Z-88,-,EP2,125V,10A,1830MM/10	
AH39-40001U	CABLE-AUDIO CABLE,2P2000;-,-,2P-2P,-,-,-	
AH39-40001V	CABLE-AUDIO CABLE;-,-,1P-1P,3000MM,-,-,-	

Location no.	Code no.	Description & Specification	Remarks
	AH42-00001A	ANTENNA-FM 1P;75OHM,1500##50MM,1007#20,R	
	AH42-20001P	ANT LOOP;-,KS971120-01,18.5UH##10%,-	
	AH59-00138V	**DECK-MECHA ASSY;-,CMS-D100,-,-,-,-,DVD D**	
	3809-001273	CABLE-FLAT;30V,80C,80MM,40P,1MM,UL2896	
	3809-001274	CABLE-FLAT;30V,80C,85MM,24P,1MM,UL2896	
	AH31-00030A	MOTOR DC;-,RF-300CH,86MA,-,-,1~6V,1410#	
	AH59-00130A	DECK;-,CMS-D100,-,-,-,-,-,CMS-S21MG	
	AH30-00018A	PICK UP;SOH-D21,-,-,-,-,CMS-21MG6	
	AH92-01643A	**ASSY PCB;MM-DB9,FONTEND PCB M5705**	
MZD1	0403-000357	DIODE-ZENER;UZ5.6BM,5.6V,5.4-5.8V,500mW,	
MU10	1003-001418	IC-MOTOR DRIVER;FAN8082,DIP,8P,-,-,1MA,S	
DXT1	2801-000261	CRYSTAL-UNIT;33.8688MHz,50ppm,28-AAA,12p	
RCN1	3708-001574	CONNECTOR-FPC/FFC/PIC;24P,1mm,ANGLE,SN	
MJ5	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
DJ6	3711-003111	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
EXCON1	AH39-00249B	LEAD CONNECTOR ASSY;MX-G50/K5,#1007,28,U	
MJ4	AH39-00368A	LEAD CONNECTOR ASSY;6P,50MM,#1007,-,,6P,	
RD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
MD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
DD2	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
RQ1	0501-000632	TR-SMALL SIGNAL;2SB1197K,PNP,200MW,SOT-2	
RQ2	0501-000632	TR-SMALL SIGNAL;2SB1197K,PNP,200MW,SOT-2	
MU9	1003-001450	IC-MOTOR DRIVER;BA5954FM,SOP,28P,300MIL,	
DU7	1105-001372	IC-DRAM;K4E151512D,1MX16BIT,SOJ,42P,40	
DU5	1107-001203	IC-FLASH MEMORY;49F512,64Kx8Bit,PLCC,32P	
RU1	1201-001790	IC-RF AMP;SP3721A,TQFP,64P,10MIL,SINGLE,	
RU2	1201-001842	IC-OP AMP;TL3472CD,SO,TP,8P,-,DUAL,-,PAL	
DU8	1203-001293	IC-POSI.FIXED REG.;033,T0-252,3P,6.5MIL,	
DU6	1203-001369	IC-VOL. DETECTOR;61AN1902,SOT-23,3P,63MI	
DU3	1204-001936	IC-DECODER;M5705,LQFP,176P,24X24MM,PALST	
RR30	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR23	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR183	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR34	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR5	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RR7	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR172	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
CPUR2	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR188	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR55	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
MR158	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
EXR2	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
EXR1	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR99	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR98	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR102	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR100	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
DR133	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR132	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR131	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR130	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR134	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR135	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR136	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR137	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR122	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR123	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR124	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR125	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR126	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR127	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR128	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR129	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RR20	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
RR4	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR3	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MR177	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
EXR6	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR183	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR184	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
EXR5	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
MR156	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR49	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR44	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR43	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR42	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
EJR1	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR81	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR50	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR45	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR38	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR29	2007-000088	R-CHIP;7.5Kohm,5%,1/16W,DA,TP,1608	
DR88	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR87	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR86	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR85	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR84	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR37	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR191	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR190	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RR18	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RR17	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR157	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR150	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR149	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR91	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR90	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR89	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR114	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR113	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR112	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR111	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR110	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR109	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR108	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR107	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR126A	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR121	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR120	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR119	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR118	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR117	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR116	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR115	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
MR154	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
DR39	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	
DR80	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
MR175	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
MR174	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
MR151	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
DR60	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
DR46	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RR28	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
MR173	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RR31	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
DR94	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR93	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR92	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR54	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR53	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR52	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
MR153	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
EXR4	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
EXR3	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR97	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR96	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR95	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR101	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR9	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR18	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR17	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR13	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
CPUR11	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR47	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR36	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR34	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR103	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR32	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
DR33	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
RR21	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RR16	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
RR13	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
DR31	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
DR139	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
DR138	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
MR155	2007-000125	R-CHIP;3.9Kohm,5%,1/16W,DA,TP,1608	
MR148	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
MR152	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
DR146	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
RR2	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
RR1	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
DR57	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
CPUR16	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
MR168	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
MR167	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
MR165	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
MR164	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
DR51	2007-000962	R-CHIP;5.1Kohm,1%,1/16W,DA,TP,1608	
DR35	2007-000962	R-CHIP;5.1Kohm,1%,1/16W,DA,TP,1608	
DR40	2007-001010	R-CHIP;51Kohm,5%,1/16W,DA,TP,1608	
RR6	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
RR25	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	
DR30	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
DR28	2007-001243	R-CHIP;91KOHM,5%,1/10W,DA,TP,2012	
MC87	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC1	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC12	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC2	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC21	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
MC81	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC86	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC87	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC88	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC91	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	

Location no.	Code no.	Description & Specifiation	Remarks
EJC2	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC32	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC33	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC34	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC4	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC7	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC31	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC26	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC27	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC28	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC29	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC3	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC49	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC52	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC72	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC73	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC74	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC48	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC32	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC35	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC36	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC38	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC39	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC81	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC82	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC83	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC84	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC85	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC80	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC75	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC76	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC77	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC78	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
DC79	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
RC19	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
DC89	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC90	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC69	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC70	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC71	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC66	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC67	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
DC68	2203-000280	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
RC8	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC6	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC20	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DC51	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DC50	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
DC40	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
MC82	2203-000592	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
EJC1	2203-000592	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,1608	
MC84	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
RC16	2203-000972	C-CERAMIC,CHIP;47nF,10%,16V,X7R,TP,1608	
DC44	2203-000972	C-CERAMIC,CHIP;47nF,10%,16V,X7R,TP,1608	
DC33	2203-000972	C-CERAMIC,CHIP;47nF,10%,16V,X7R,TP,1608	
CPUC7	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
DC37	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
DC34	2203-001052	C-CERAMIC,CHIP;0.56nF,10%,50V,X7R,TP,160	
DC42	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
RC9	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC18	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC17	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC15	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
RC14	2203-001126	C-CERAMIC,CHIP;0.68nF,10%,50V,X7R,TP,160	
MC83	2203-001408	C-CERAMIC,CHIP;0.27nF,5%,50V,NP0,TP,1608	
DC56	2203-001573	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
DC54	2203-001573	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,160	
RC35	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
RC13	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
RC11	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
RC10	2203-001636	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,160	
DC46	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
DC45	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
RC36	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
DC43	2203-002494	C-CERAMIC,CHIP;470nF,10%,16V,X7R,TP,2012	
DC62	2203-005261	C-CERAMIC,CHIP;1000nF,10%,25V,X7R,TP,321	
DTC6	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
RTC3	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC4	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC5	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC6	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
RTC2	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
CPUTC1	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
DTC11	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
DTC12	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
DTC13	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
MCE1	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
DTC7	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
RL2	2703-000001	INDUCTOR-SMD;10uH,10%,2.5x3.2x2mm	
RL1	2703-000001	INDUCTOR-SMD;10uH,10%,2.5x3.2x2mm	
DL7	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DL6	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DL5	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	

Location no.	Code no.	Description & Specifiation	Remarks
DL4	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
DJ3	3708-001645	CONNECTOR-FPC/FFC/PIC;40P,1MM,SMD-S-ZIF,	
	AH92-01658A	**ASSY PCB;HT-DM150, HAVE A MIC**	
X1	2801-004132	CRYSTAL-UNIT;13.5MHZ,10PPM,ATS-49/U,24PF	
Q8	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q7	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q6	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q3	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q4	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q5	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
U15	0801-002683	IC-CMOS LOGIC;74HCT245,TRANSCEIVER,TSSOP	
U12	0802-001109	IC-BICMOS LOGIC;74LVT573,D FLIP-FLOP,TSS	
U11	0802-001109	IC-BICMOS LOGIC;74LVT573,D FLIP-FLOP,TSS	
U10	0802-001109	IC-BICMOS LOGIC;74LVT573,D FLIP-FLOP,TSS	
AU13	1105-001369	IC-DRAM;-,4MX16BIT,TSOP(II),54P,400MIL,7	
AU14	1105-001369	IC-DRAM;-,4MX16BIT,TSOP(II),54P,400MIL,7	
U6	1107-001318	IC-FLASH MEMORY;SST39VF800A,8MX16BIT,TSO	
U9	1203-002369	IC-POSI.ADJUST REG.;AMS317,TO-252,3P,240	
U8	1204-001981	IC-DECODER;ZIVA-5P,PQFP,208P,28X28MM,PLA	
VJL1	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
VR11	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR14	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR17	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR3	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR6	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
VR8	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
AR5	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R10	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R114	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R5V	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R34	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR8	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR1	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R60	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R99	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R31	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R32	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R54	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R56	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R98	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R20	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R108	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R109	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R110	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R111	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R112	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R107	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R82	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R81	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R80	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R79	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R78	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R90	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R88	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R86	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R85	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R84	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R83	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R64	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R63	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R6	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R59	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R58	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R57	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R75	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R73	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R71	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R66	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R68	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R69	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
VR9	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR4	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR2	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR12	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
R61	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
R55	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
VR7	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR5	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR16	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR13	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR10	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR1	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR15	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
AR1	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	
C77	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C76	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C75	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	

Location no.	Code no.	Description & Specification	Remarks
C71	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C67	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C66	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C64	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C62	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C61	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C79	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
VC10	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C99	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C98	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C90	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C89	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C88	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C87	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C86	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C80	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C59	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C105	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C104	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C103	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C101	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC5	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC4	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC3	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC2	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
AC1	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C106	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C55	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C54	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C51	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C46	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C37	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C107	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C29	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C32	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C36	2203-000178	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,	
C102	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C96	2203-000384	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,160	
C97	2203-000552	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,1608	
AC9	2203-000998	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,160	
C82	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C68	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C48	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C38	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C33	2402-000009	C-AL,SMD;47uF,20%,6.3V,GP,TP,5.3x5.3x5.	
C84	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C85	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
C73	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
C30	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
C28	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6x6.6x6.6	
PL3	3301-000325	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,-,-	
L54	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L53	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L52	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L49	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
OL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
OL2	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
PL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
VL1	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L48	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L30	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L32	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L40	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L41	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L47	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L44	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L43	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L42	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
L50	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L55	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L56	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L39	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L38	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
L1	3301-001495	CORE-FERRITE BEAD;AB,120OHM,2.0X1.2X0.9M	
J14	3708-001615	CONNECTOR-FPC/FFC/PIC;24P,1MM,SMD-S,SN	
J6	3708-001645	CONNECTOR-FPC/FFC/PIC;40P,1MM,SMD-S-ZIF,	
J21	3708-001646	CONNECTOR-FPC/FFC/PIC;10P,1MM,SMD-S-LIF,	
	AH97-00822A	**ASSY DVD DECK;-,-,HT-DL100**	
	3409-001119	SWITCH-DETECTOR;5V DC,1.0A,DPST,30gf,-	
	AH39-00104A	LEAD CONNECTOR ASSY;-,35023,51004,5P,200	
	AH59-01090F	**SPEAKER SYSTEM-SPEAKER SYSTEM;PSDM550E,-**	
	AH59-01101F	**REMOCON-ASSY;HT-DM150,SAMSUNG,-,-,62KEY,**	
	AH92-01638A	**ASSY PCB;HT-DM550,MAIN PCB ASSY**	
PBD1	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
BD4	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
BD3	0402-001259	DIODE-BRIDGE;GBU806,600V,8A,SIP-4,BK	
PBD2	0402-001408	DIODE-BRIDGE;KBP005G,50V,1.5A,SIP-4,BK	
BD2	0402-001503	DIODE-BRIDGE;GBU1006,600V,10A,SIP-4,BK	
	0502-000299	TR-POWER;KSD73,NPN,30W,TO-220,BK,120-24	
PQ3	0502-000303	TR-POWER;KSD882,NPN,1W,TO-126,TP,160-32	
Q36FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	

Location no.	Code no.	Description & Specification	Remarks
Q36C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q34C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q34RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q33RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126S/L,S	
Q31FR	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q31RL	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q31RR	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q31W	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q29W	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q30W	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q31C	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q31FL	0503-001014	TR-DARLINGTON;2SD2495-P,NPN,30W,TO-220F,	
Q32RR	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q32W	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q33W	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q34W	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q32C	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q32FL	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q32FR	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
Q32RL	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
IC4	1203-000110	IC-NEGA.FIXED REG.;7912,TO-220,3P,-,PLAS	
IC8	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
IC3	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
PQ2	1203-001006	IC-VOLTAGE REGULATOR;78R05,TO-220F,4P,-,	
PQ6	1203-001006	IC-VOLTAGE REGULATOR;78R05,TO-220F,4P,-,	
PQ4	1203-001586	IC-VOLTAGE REGULATOR;278R33,TO-220F,4P,-	
PQ1	1203-001589	IC-POSI.FIXED REG.;278R05,TO-220F,4P,-,P	
PQ5	1203-001697	IC-VOLTAGE REGULATOR;78R08,TO-220,4P,-,P	
R99RL	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
R99RR	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
R99W	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
R99FR	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
PR4	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
R99C	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
R99FL	2003-000471	R-METAL OXIDE(S);10OHM,5%,2W,AA,TP	
PR1	2003-000701	R-METAL OXIDE(S);470ohm,5%,2W,AA,TP,4x12	
R140	2003-000802	R-METAL OXIDE(S);820ohm,5%,3W,AA,TP,6x16	
R141	2003-000802	R-METAL OXIDE(S);820ohm,5%,3W,AA,TP,6x16	
R45	2003-000807	R-METAL OXIDE(S);82ohm,5%,2W,AA,TP,4x12m	
R98C	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R98FL	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R98FR	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R98RL	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R98RR	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R98W	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97C	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97FL	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97FR	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97RL	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97RR	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R97W	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
PC20	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
PC19	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
C15	2201-000795	C-CERAMIC,DISC;10nF,10%,400V,Y5P,TP,15x1	
C16	2201-000795	C-CERAMIC,DISC;10nF,10%,400V,Y5P,TP,15x1	
C17	2201-000795	C-CERAMIC,DISC;10nF,10%,400V,Y5P,TP,15x1	
PC25	2401-000131	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
PC1	2401-000230	C-AL;100uF,20%,100V,GP,TP,12.5x20mm	
PC5	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
C35	2401-001361	C-AL;470uF,20%,16V,BP,TP,13x20mm,5m	
PC4	2401-001879	C-AL;10000uF,20%,16V,GP,TP,18x35.5m	
PC3	2401-001879	C-AL;10000uF,20%,16V,GP,TP,18x35.5m	
C23	2401-001959	C-AL;4700uF,20%,25V,GP,TP,18x35.5,7	
C22	2401-001959	C-AL;4700uF,20%,25V,GP,TP,18x35.5,7	
C21	2401-002258	C-AL;4700uF,20%,50V,GP,-,22x40mm,5m	
C20	2401-002258	C-AL;4700uF,20%,50V,GP,-,22x40mm,5m	
C19	2401-002258	C-AL;4700uF,20%,50V,GP,-,22x40mm,5m	
C18	2401-002258	C-AL;4700uF,20%,50V,GP,-,22x40mm,5m	
RE7	3501-001197	RELAY-MINIATURE;12VDC,0.54W,44.4mA,1Form	
RE6	3501-001197	RELAY-MINIATURE;12VDC,0.54W,44.4mA,1Form	
RE5	3501-001197	RELAY-MINIATURE;12VDC,0.54W,44.4mA,1Form	

Location no.	Code no.	Description & Specification	Remarks
CW4	3710-001405	CONNECTOR-SOCKET;5P,1R,2mm,ANGLE,SN	
CW2	3711-000588	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIG	
CW9	3711-004055	CONNECTOR-HEADER;3WALL,5P,1R,2mm,STRAIGH	
CW7	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
CW6	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
CW5	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
CW3	3711-004942	CONNECTOR-HEADER;BOX,7P,1R,3.96MM,STRAIG	
J2	3716-001132	TERMINAL-BLOCK;SOLDER,4P,-,-,-	
J1	3716-001173	TERMINAL-BLOCK;SOLDER,8P,12.5MM,60V,7A	
	3722-001606	JACK-PIN;4P,3.5mm,NI,BLK(WHT2/RED2),-	
L4FR	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L4FL	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3W	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3RR	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3C	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3FL	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3FR	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
L3RL	AH27-90001A	COIL-SPRING;-,2.2UH,-,-,-,SPRING,-,-,-,-	
CCON1	AH39-00111A	LEAD CONNECTOR ASSY;-,5295,51004,5P,70MM	
CCON2	AH39-00426A	WIRE HARNESS;-,-,-,6P,-,-,-,5264,51088,-	
PD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD5	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD8	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35;	
PD9	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D34	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D35	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD2	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
PD3	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D56	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D54	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D53	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D50W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D57	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D58	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D59	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D60	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D50C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D50FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D50FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D50RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D50RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D61	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D70	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D71	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D72	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D73	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D74	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D75	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D80	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D81	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D62	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D63	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D64	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D65	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D66	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D67	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D68	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D69	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D28	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D29	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D30	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D31	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D32	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D12	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D13	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D14	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D15	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D16	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D17	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D20	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D21	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D37W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D38FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D35W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36C	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36FL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36W	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36RR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	

Location no.	Code no.	Description & Specification	Remarks
D36RL	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
D36FR	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D24	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D23	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D22	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
D41W	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D41RR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D41RL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D41FR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D41FL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D41C	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D42W	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D42RR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D42RL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D42FR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D42FL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D42C	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39W	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39RR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39RL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39FR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39FL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D39C	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D40W	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D40RR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D40RL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D40FR	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D40FL	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
D40C	0402-001484	DIODE-RECTIFIER;S2B,100V,1.5A,DO-214AA,T	
ZD35	0403-000004	DIODE-ZENER;UZ12BM,12V,11.6-12.4V,500mW,	
ZD7	0403-000382	DIODE-ZENER;UZP15B,15V,13.9-15.6V,1W,DO-	
ZD8	0403-000382	DIODE-ZENER;UZP15B,15V,13.9-15.6V,1W,DO-	
ZD37	0403-000384	DIODE-ZENER;UZP20B,20V,18.9-21.1V,1W,DO-	
PZD2	0403-000564	DIODE-ZENER;TZP16A,16V,15.3-17.1V,1W,DO-	
PZD1	0403-000564	DIODE-ZENER;TZP16A,16V,15.3-17.1V,1W,DO-	
ZD36	0403-001009	DIODE-ZENER;UZP27BHCC,27V,27-30V,1W,DO-4	
ZD16	0403-001062	DIODE-ZENER;UDZ4.7B,4.55-4.75V,200mW,SOD	
ZD15	0403-001062	DIODE-ZENER;UDZ4.7B,4.55-4.75V,200mW,SOD	
ZD6C	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6FL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6RL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6RR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD6W	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5W	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5C	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5FL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5FR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5RL	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD5RR	0403-001079	DIODE-ZENER;UDZ3.9B,7%,200MW,SOD-323,TP	
ZD17	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD18	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD19	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD20	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD9	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD10	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD11	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD12	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD13	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
ZD14	0403-001376	DIODE-ZENER;UDZ3.6B,3.6-3.845V,200mW,SOD	
PSD1	0404-000156	DIODE-SCHOTTKY;RB441Q,10V,100mA,DO-34,TP	
Q24FL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24FR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24RL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24RR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q9	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q24C	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23C	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23FL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23FR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23RL	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q23RR	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q28FL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28FR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28RL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28RR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q4	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q28C	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27C	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27FL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27FR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27RL	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q27RR	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
Q7	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q16	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q13	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q35W	0501-000331	TR-SMALL SIGNAL;KSC1009-Y,NPN,800mW,TO-9	
Q35RR	0501-000331	TR-SMALL SIGNAL;KSC1009-Y,NPN,800mW,TO-9	
Q35RL	0501-000331	TR-SMALL SIGNAL;KSC1009-Y,NPN,800mW,TO-9	
Q35C	0501-000331	TR-SMALL SIGNAL;KSC1009-Y,NPN,800mW,TO-9	
Q35FL	0501-000331	TR-SMALL SIGNAL;KSC1009-Y,NPN,800mW,TO-9	
Q35FR	0501-000331	TR-SMALL SIGNAL;KSC1009-Y,NPN,800mW,TO-9	
Q18C	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	

Location no.	Code no.	Description & Specification	Remarks
Q18FL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18FR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18RL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18RR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q18W	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17C	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17FL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17FR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17W	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17RR	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q17RL	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
Q19W	0501-000354	TR-SMALL SIGNAL;KSC1845-F,NPN,500mW,TO-9	
Q19RR	0501-000354	TR-SMALL SIGNAL;KSC1845-F,NPN,500mW,TO-9	
Q19RL	0501-000354	TR-SMALL SIGNAL;KSC1845-F,NPN,500mW,TO-9	
Q19C	0501-000354	TR-SMALL SIGNAL;KSC1845-F,NPN,500mW,TO-9	
Q19FL	0501-000354	TR-SMALL SIGNAL;KSC1845-F,NPN,500mW,TO-9	
Q19FR	0501-000354	TR-SMALL SIGNAL;KSC1845-F,NPN,500mW,TO-9	
Q22W	0501-000359	TR-SMALL SIGNAL;KSC2310-Y,NPN,800mW,TO-9	
Q22RR	0501-000359	TR-SMALL SIGNAL;KSC2310-Y,NPN,800mW,TO-9	
Q22RL	0501-000359	TR-SMALL SIGNAL;KSC2310-Y,NPN,800mW,TO-9	
Q22C	0501-000359	TR-SMALL SIGNAL;KSC2310-Y,NPN,800mW,TO-9	
Q22FL	0501-000359	TR-SMALL SIGNAL;KSC2310-Y,NPN,800mW,TO-9	
Q22FR	0501-000359	TR-SMALL SIGNAL;KSC2310-Y,NPN,800mW,TO-9	
Q8	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q5	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q15	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q14	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q11	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q10	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q6	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
Q20W	0501-002188	TR-SMALL SIGNAL;KSA992,PNP,500MW,TO-92,T	
Q20RR	0501-002188	TR-SMALL SIGNAL;KSA992,PNP,500MW,TO-92,T	
Q20RL	0501-002188	TR-SMALL SIGNAL;KSA992,PNP,500MW,TO-92,T	
Q20C	0501-002188	TR-SMALL SIGNAL;KSA992,PNP,500MW,TO-92,T	
Q20FL	0501-002188	TR-SMALL SIGNAL;KSA992,PNP,500MW,TO-92,T	
Q20FR	0501-002188	TR-SMALL SIGNAL;KSA992,PNP,500MW,TO-92,T	
Q21W	0501-002332	TR-SMALL SIGNAL;KSA910,PNP,800mW,TO-92L,	
Q21RR	0501-002332	TR-SMALL SIGNAL;KSA910,PNP,800mW,TO-92L,	
Q21RL	0501-002332	TR-SMALL SIGNAL;KSA910,PNP,800mW,TO-92L,	
Q21FR	0501-002332	TR-SMALL SIGNAL;KSA910,PNP,800mW,TO-92L,	
Q21FL	0501-002332	TR-SMALL SIGNAL;KSA910,PNP,800mW,TO-92L,	
Q21C	0501-002332	TR-SMALL SIGNAL;KSA910,PNP,800mW,TO-92L,	
Q40	0502-000299	TR-POWER;KSD73,NPN,30W,TO-220,BK,120-24	
Q39	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q38	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q37	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
Q12	0504-001003	TR-DIGITAL;KSR2003,PNP,300MW,22K/22K,TO-	
IC7	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
IC6	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
IC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
PQ7	1203-002296	IC-VOLTAGE REGULATOR;BA3254FP,DUAL VOLT,	
R149	2001-000034	R-CARBON;220ohm,5%,1/4W,AA,TP,2.4x6.4mm	
R41	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R90C	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R90FL	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R90FR	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R90RL	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R90RR	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R90W	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R85C	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R85FL	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R85RL	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R86W	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R86RR	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R86FR	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R36C	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R36FL	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R36FR	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R36RL	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R36RR	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R36W	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R33C	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R33FL	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R33FR	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R33W	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R33RR	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R33RL	2001-000561	R-CARBON;27KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R89C	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R89FL	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R89FR	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R89RL	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R89RR	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R89W	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R85FR	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R85RR	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R85W	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R86C	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R86FL	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R86RL	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R44	2003-000674	R-METAL OXIDE(S);39ohm,5%,1W,AA,TP,3.3x9	
R137	2003-000732	R-METAL OXIDE(S);560ohm,5%,1W,AA,TP,3.3x	
R53	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
JW2W	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specification	Remarks
JW2RR	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW2RL	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW2C	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW2FL	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW2FR	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R35C	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R35FL	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R35FR	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R35RL	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R35RR	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R35W	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R32C	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R32FL	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R32FR	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R32W	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R32RR	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R32RL	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R79W	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79RR	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79RL	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79FR	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79FL	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R79C	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R147	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R71	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R65	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R63	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R58	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R56	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R54	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R74	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81W	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81RR	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81RL	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81FR	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81FL	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R81C	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R51	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R123	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R118	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R112	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R107	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R101	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
PR8	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R143	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R50	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R202R	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R202L	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R144	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200L	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R200R	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
PR3	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
PR5	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R64	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
PR21	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
PR2	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
PR6	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R77C	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77FL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77FR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77RL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77RR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76C	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76FL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76FR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76RL	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R76RR	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R122	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R76W	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R77W	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R117	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R100	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R106	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R111	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R88W	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R88RR	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R88RL	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R88C	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R88FL	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R88FR	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R120	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R121	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R125	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R126	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R131	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R132	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R103	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R104	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R109	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R115	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R114	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R110	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specification	Remarks
R40	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R55	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R57	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R59	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R62	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R67	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR7	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
PR9	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R145	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R22	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R21	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R146	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R83C	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83FL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83FR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83RL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83RR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R83W	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82C	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82FL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82FR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82W	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82RR	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R82RL	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R73	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R95RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R95C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R96C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R52	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92RL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92FR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92FL	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R92C	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R91RR	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R84FL	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R84C	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R70	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R69	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R84FR	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R84RL	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R84RR	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R84W	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R19	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R20	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R201L	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R201R	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R61	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R43	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R203R	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R203L	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R68	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R66	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R47	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R150	2007-000881	R-CHIP;4.7OHM,5%,1/10W,DA,TP,2012	
R116	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R105	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R75C	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75FL	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75FR	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75RL	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75RR	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R75W	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R49	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R135	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R138	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R142	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R39FL	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R39FR	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R48	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
PR12	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R87W	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87RR	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87RL	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87C	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87FL	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R87FR	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R80C	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78W	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78RR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78RL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78FR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specification	Remarks
R80W	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80RR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80RL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80FR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R80FL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38FR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38FL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38C	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R18	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R17	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78FL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R78C	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38W	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38RR	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R38RL	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R60	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
R128	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R72	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R37C	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34W	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34W	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34RR	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R37FL	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R37FR	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R37RL	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R37RR	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R37W	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34C	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34C	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34FL	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34FL	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34FR	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34RR	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34RL	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34RL	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R34FR	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R148	2007-007361	R-CHIP;82OHM,5%,1/2W,DA,TP,4532	
C32W	2201-000547	C-CERAMIC,DISC;4.7nF,20%,500V,Y5T,TP,14x	
C32RR	2201-000547	C-CERAMIC,DISC;4.7nF,20%,500V,Y5T,TP,14x	
C32RL	2201-000547	C-CERAMIC,DISC;4.7nF,20%,500V,Y5T,TP,14x	
C32C	2201-000547	C-CERAMIC,DISC;4.7nF,20%,500V,Y5T,TP,14x	
C32FL	2201-000547	C-CERAMIC,DISC;4.7nF,20%,500V,Y5T,TP,14x	
C32FR	2201-000547	C-CERAMIC,DISC;4.7nF,20%,500V,Y5T,TP,14x	
C44W	2203-000295	C-CERAMIC,CHIP;0.01nF,5%,50V,NP0,TP,2012	
C44RR	2203-000295	C-CERAMIC,CHIP;0.01nF,5%,50V,NP0,TP,2012	
C44RL	2203-000295	C-CERAMIC,CHIP;0.01nF,5%,50V,NP0,TP,2012	
C44C	2203-000295	C-CERAMIC,CHIP;0.01nF,5%,50V,NP0,TP,2012	
C44FL	2203-000295	C-CERAMIC,CHIP;0.01nF,5%,50V,NP0,TP,2012	
C44FR	2203-000295	C-CERAMIC,CHIP;0.01nF,5%,50V,NP0,TP,2012	
C41W	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
C58R	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C58L	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C57R	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C57L	2203-000787	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C41RR	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41RL	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41FR	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41FL	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C41C	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C49W	2203-001524	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,201	
C49RR	2203-001611	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C49RL	2203-001611	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C49FR	2203-001611	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C49FL	2203-001611	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C49C	2203-001611	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C47RL	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47RR	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47W	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47FR	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47FL	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
C47C	2301-000375	C-FILM,PEF;100nF,5%,50V,TP,11x12.5x6.5,7	
PC2	2401-000357	C-AL;100UF,0.2,50V,GP,8'12,5MM,SSL	
C34	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C40W	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40RR	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40RL	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40FR	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40FL	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C40C	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
C29	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
C28	2401-000459	C-AL;10uF,20%,35V,GP,TP,5.5x7mm,5mm	
PC8	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC6	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC18	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC16	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC10	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC13	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
PC13	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
C43W	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43RR	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43RL	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43FR	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C43FL	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	

Location no.	Code no.	Description & Specifiation	Remarks
C43C	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	
C129	2401-001324	C-AL;470nF,20%,50V,GP,BK,3x5,1mm	
C52	2401-001511	C-AL;47uF,20%,16V,GP,6*7,5MM,TP	
C54	2401-001511	C-AL;47uF,20%,16V,GP,6*7,5MM,TP	
C55	2401-001511	C-AL;47uF,20%,16V,GP,6*7,5MM,TP	
C39	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
PC14	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC15	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC17	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC7	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC9	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C25	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C26	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C27	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC11	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
PC12	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
C59	2401-001912	C-AL;1uF,20%,50V,GP,5*11,5mm,TP	
C24	2401-001912	C-AL;1uF,20%,50V,GP,5*11,5mm,TP	
C37	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
	AH92-01639A	**ASSY PCB;HT-DM550,FRONT PCB ASSY**	
ULED3	0601-001238	LED;ROUND,RED,3.1mm,697nm	
ULED1	0601-001432	LED;ROUND,BLUE,3mm,455nm	
ULED2	0601-001432	LED;ROUND,BLUE,3mm,455nm	
E-VR	3406-001047	SWITCH-ROTARY;5V DC,0.5mA,-,12mm	
UCW2	3708-000454	CONNECTOR-FPC/FFC/PIC;22P,1.25mm,STRAIGH	
UCW4	3711-000907	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
HJACK	3722-000351	JACK-PHONE;11P,3.5PI,AG,BLK,-	
UEYE	AC59-60060A	MODULE REMOCON;GP1U281R,SHARP,38KHZ,-,-,	
VFD	AH07-00082A	VF DISPLAY;HNV-11SM22T,HT-DM550,118.2X20	
UW3	AH39-00429A	WIRE HARNESS;HT-DM150,-,-,4P,-,-,26AWG,3	
	AH39-50001K	WIRE HARNESS;RING,1007#24,140MM,BLK	
FD103	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
FD102	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
FD101	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
FD100	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD15	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
UD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD10	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
HD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UZD1	0403-000369	DIODE-ZENER;UZ8.2BM,8.2V,7.9-8.5V,500mW,	
UQ2	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
UQ3	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ1	0504-001003	TR-DIGITAL;KSR2003,PNP,300MW,22K/22K,TO-	
UIC1	1003-001403	IC-VFD;LC75725E,QFP,64P,677MIL,-,30MA	
UR31	2001-000023	R-CARBON;47OHM,5%,1/4W,AA,TP,2.4X6.4MM	
UR32	2001-000023	R-CARBON;47OHM,5%,1/4W,AA,TP,2.4X6.4MM	
UR42	2001-000034	R-CARBON;220ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR82	2001-000109	R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4	
UR69	2001-000221	R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR70	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR38	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR37	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR36	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR35	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR40	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR80	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR83	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR39	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR34	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR33	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR43	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR71	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR72	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR85	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR86	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR73	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR76	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR41	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR74	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR75	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
HC2R	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
HC2L	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
HC1R	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
HC1L	2201-000146	C-CERAMIC,DISC;0.1nF,5%,50V,SL,TP,5x3.5,	
UC9	2201-000390	C-CERAMIC,DISC;0.022nF,5%,50V,RH,TP,5x3,	
UC7	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC2	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC1	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC81	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
UC80	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
UC20	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
UC4	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
UC5	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
UC3	2401-000475	C-AL;10uF,20%,50V,GP,TP,5x11mm,5mm	
UC6	2401-001917	C-AL;1uF,20%,50V,GP,TP,4x7mm,5mm	
HL1R	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
HL1L	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
SW7	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW6	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW5	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW4	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW1	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW2	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW3	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
	AH92-01641A	**ASSY PCB;HT-DM550,JACK PCB ASSY**	
VIC4	1001-001173	IC-RF AUDIO SWITCH;BA7612F,-,SOIC,8P,173	
VIC3	1001-001173	IC-RF AUDIO SWITCH;BA7612F,-,SOIC,8P,173	
VIC2	1001-001173	IC-RF AUDIO SWITCH;BA7612F,-,SOIC,8P,173	
VIC1	1001-001173	IC-RF AUDIO SWITCH;BA7612F,-,SOIC,8P,173	
VW3	3708-000347	CONNECTOR-FPC/FFC/PIC;10P,1MM,STRAIGHT,S	
VW4	3708-001051	CONNECTOR-FPC/FFC/PIC;13P,1.25mm,ANGLE,S	
VW1	3711-004109	CONNECTOR-HEADER;3WALL,14P,1R,2mm,STRAIG	
VW2	3711-004110	CONNECTOR-HEADER;3WALL,12P,1R,2mm,STRAIG	
VJ3	3722-001502	JACK-DIN;4P,-,SN,BLK,-	
VJ1	3722-001683	JACK-PIN;6P,8.3PI,NI,-,-	
VIDEO1	3722-001848	JACK-PIN;3P,8.3PI,NI,YEL/YEL/YEL,-	
VR11	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR18	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR5	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR4	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR17	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR10	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR26	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR27	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR29	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR3	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR7	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR22	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR12	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR14	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR16	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR20	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2m	
VR23	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR8	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR25	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR24	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR28	2001-000869	R-CARBON;56ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR6	2001-000938	R-CARBON;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR28	2001-000938	R-CARBON;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR13	2001-000938	R-CARBON;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR9	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR31	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR30	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR21	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR2	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR15	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VR1	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
VC23	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
VC22	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
VC16	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
VC1	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
VC9	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC5	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC2	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC18	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC13	2401-001102	C-AL;330uF,20%,16V,GP,TP,8x11.5mm,5	
VC20	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC4	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC6	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC8	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC19	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC17	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC14	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC12	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC10	2401-001954	C-AL;4.7uF,20%,50V,GP,TP,5x11mm,5mm	
VC15	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
	AH92-01644A	**ASSY PCB;HT-DM550,DSP PCB ASSY, USA**	
OJACK	0603-001068	OPTIC TRANSMITTER;5V,6Mb/s,5m,-15dBm,660	
FIC1	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
RIC12	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
CIC12	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
UX2	2802-001157	RESONATOR-CERAMIC;6MHZ,-,BK,8X5.5X3MM	
UW4	3708-000454	CONNECTOR-FPC/FFC/PIC;22P,1.25mm,STRAIGH	
UW6	3708-001574	CONNECTOR-FPC/FFC/PIC;24P,1mm,ANGLE,SN	
UW7	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW3	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW2	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW1	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
UW8	3710-001422	CONNECTOR-SOCKET;12P,1R,2mm,ANGLE,SN	
NW11	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5mm,STRAIGH	
UW5	3711-000968	CONNECTOR-HEADER;BOX,4P,1R,2mm,STRAIGHT,	
	AH65-30013A	CLAMP-CORD;-,-,-,-,-,-	
UD9	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD8	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD7	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD5	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD21	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD22	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD3	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	

Location no.	Code no.	Description & Specification	Remarks
XD8	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD9	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD2	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
DD102	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
HD11	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
HD12	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD12	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
XD18	0401-001110	DIODE-SWITCHING;-,80V,300MA,SOD-523,TP	
UD6	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
UD10	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
FZD1	0403-001387	DIODE-ZENER;UDZS5.1B,4.89-5.2V,200mW,SOD	
CZD11	0403-001409	DIODE-ZENER;RLZ9.1B,8.57-9.01V,500MW,LL-	
DQ13	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
HQ11L	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
HQ11R	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
UQ3	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ12	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
DIC12	0801-002564	IC-CMOS LOGIC;74VHCT244A,BUFFER,TSSOP,20	
DIC16	0801-002639	IC-CMOS LOGIC;74VHC574,D F/F,TSSOP,20P,1	
DIC17	0801-002639	IC-CMOS LOGIC;74VHC574,D F/F,TSSOP,20P,1	
DIC13	0802-001007	IC-BICMOS LOGIC;74LCX244,BUFFER,TSSOP,20	
DIC14	1001-001170	IC-AUDIO SWITCH;CS8415A-CZ,RECEIVER&DECO	
DIC21	1103-001181	IC-EEPROM;27L010,128Kx8Bit,PLCC,32P,495M	
RIC13	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
RIC11	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC6	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
CIC11	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
CIC13	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC11	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC2	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
HIC11	1201-001285	IC-OP AMP;4556,SOP,8P,150MIL,+/-18V,100d	
FIC12	1204-001465	IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
DIC11	1204-001840	IC-DECODER;CS493263-CL(G),PLCC,44P,653MI	
DIC15	1204-001842	IC-ENCODER/DECODER;CS4228A-KS,SSOP,28P,2	
ODR31	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
ODR20	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	
ODR11	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
DD11	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
UR75	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
UR55	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR54	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR53	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR56	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR57	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR58	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR59	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR48	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR39	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR40	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR41	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR42	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR43	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR45	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR46	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR69	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR70	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR86	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR95	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR96	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR97	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR68	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR6	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR62	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR63	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR64	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR65	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR66	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR67	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR32	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RR20	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RR21	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR1	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR11	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR13	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR14	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
FR31	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
CR30	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
CR31	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR35	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR37	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR41	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR52	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR71	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR202	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR28	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR32	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR33	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR36	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR37	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
UR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR15	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR160	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR161	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR162	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR19	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR18	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
UR163	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
HR18L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR18R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR20L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR20R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
SR16	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
FR11	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR13L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR13R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR17L	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
HR17R	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
DR42	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
UR34	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
DB20	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RR16R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR16L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR51R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR51L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR35R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
FR35L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR25L	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR9	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR8	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR4	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR205	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
UR204	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR25R	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR15	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR14	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR13	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR12	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
CR23	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
CR16	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR33	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR51	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR47	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR46	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR43	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR44	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
DR45	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RR13R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR13L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR12R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR12L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR11R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR11L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR21R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR91	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR90	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR17	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
UR16	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
SR14	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR14R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
RR14L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR12R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR12L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DR34	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR14	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR13	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR12	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
CR11	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR21L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR19R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR19L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR18R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR17L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR17R	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR18L	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
FR53L	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
FR53R	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR18L	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RR18R	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
SR18	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
UR73	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
CR18	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR102	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR16	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR32	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR21	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
DR17	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
FR20R	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RR15L	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RR15R	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
SR15	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
CR15	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
FR13L	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	

Location no.	Code no.	Description & Specifiation	Remarks
FR13R	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
FR20L	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
UR29	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR30	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR31	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR44	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR47	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR203	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR21	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR22	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR23	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR24	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR49	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR78	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR79	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR81	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR83	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR85	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR50	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR52	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR60	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR61	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR77	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR102	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR26	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR27	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR28	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR29	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR30	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR18	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR22	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR23	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR24	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR25	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR36	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR26L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR26R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
HR12L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
HR12R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
UR101	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
DR501	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR24L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR24R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR25L	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
FR25R	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
SR13	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
SR12	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
SR11	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
HR14R	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RR17L	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RR17R	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
SR17	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
HR14L	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
CR17	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
DR38	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
FR52L	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
FR52R	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
UR38	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
FR6	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
FR5	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
HR16R	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
HR16L	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
FR4	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
FR10	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
HR11R	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
HR11L	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
UR72	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RR19R	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
RR19L	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
CR19	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	
HR15L	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
HR15R	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
FR54R	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
FR54L	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
DR39	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
UR74	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
FR7	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
FR28R	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
FR28L	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	
UR84	2007-000130	R-CHIP;39Kohm,5%,1/16W,DA,TP,1608	
DR19	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
DR40	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	
FR23R	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
FR23L	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
FR22R	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
FR22L	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
SR19	2007-000539	R-CHIP;200ohm,5%,1/16W,DA,TP,1608	
DR61	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
DR62	2007-002425	R-CHIP;1OHM,5%,1/16W,DA,TP,1608	
FR2	2007-007147	R-CHIP;680OHM,5%,1/4W,DA,TP,3225	
CR21	2007-007361	R-CHIP;82OHM,5%,1/2W,DA,TP,4532	
UC5	2203-000062	C-CERAMIC,CHIP;47nF,+80-20%,50V,Y5V,TP,1	
UC46	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	

Location no.	Code no.	Description & Specifiation	Remarks
FC53R	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC53L	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC52R	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
FC52L	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
DC44	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC89	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
OC13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC43	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC38	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
DC29	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
FC50R	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FC50L	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CC20	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FC51R	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
FC51L	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
DC39	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
FC60R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC36L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC36R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC39L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
RC39R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
CC24	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
CC27	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
FC58L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
FC58R	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
FC60L	2203-000531	C-CERAMIC,CHIP;2.7nF,10%,50V,X7R,TP,1608	
UC82	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
SC28	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
FC42	2203-000604	C-CERAMIC,CHIP;22nF,10%,25V,X7R,TP,1608	
FC73R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC33L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC33R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC35L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
RC35R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
SC23	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC73L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
CC21	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
CC23	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC49L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC55R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC55L	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC49R	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
FC41	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
FC57	2203-001034	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,TP,1608	
FC56	2203-001034	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,TP,1608	
SC20	2203-001211	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,1608	
RC32L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC31R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC31L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC32R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC51L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
RC51R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
CC18	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
CC19	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC47L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC48R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC48L	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
FC47R	2203-001554	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1608	
HC21L	2203-001640	C-CERAMIC,CHIP;0.39nF,10%,50V,X7R,TP,160	
HC21R	2203-001640	C-CERAMIC,CHIP;0.39nF,10%,50V,X7R,TP,160	
DC30	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
DC134	2203-001656	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,1608	
DC72	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC49	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC48	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC46	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC41	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
UC6	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
OC12	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
OC11	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC75	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC74	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC40	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC19	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC18	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC17	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC16	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC133	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC37	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC36	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC32	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC26	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC22	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
SC19	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
SC18	2203-005221	C-CERAMIC,CHIP;15nF,10%,50V,X7R,TP,1608,	
HC12	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
HC11	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
FC3	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
FC2	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
FC1	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
UC4	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
UC101	2401-000243	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	
FC8	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	

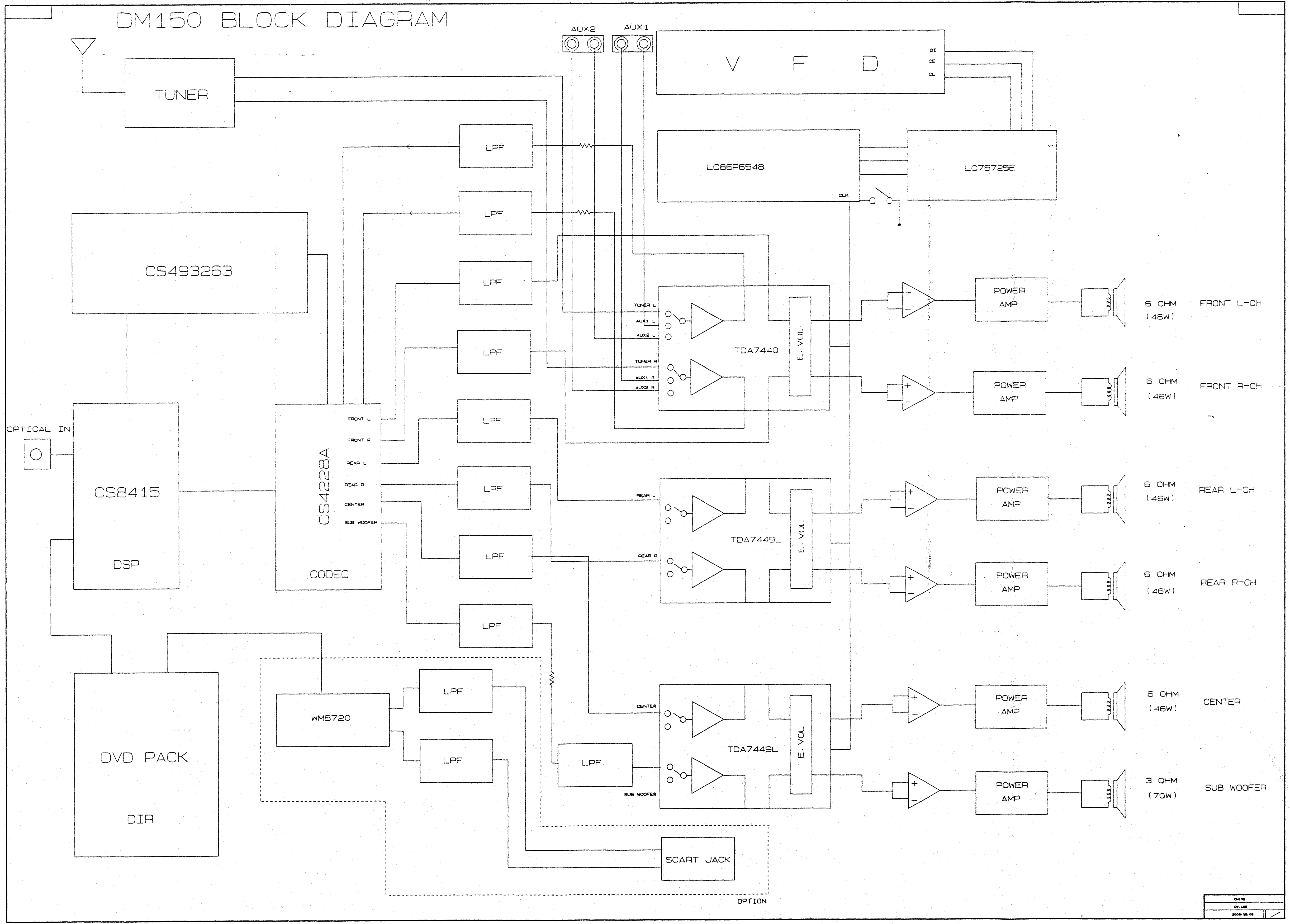
Location no.	Code no.	Description & Specification	Remarks
FC9	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
RC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
RC12	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
RC17	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
SC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC16	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
CC15	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC10	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC13	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC12	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
FC11	2401-000407	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	
DC71	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC73	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC91	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
FC99	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC20	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC21	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC31	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
DC51	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
FC24	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC23	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC20R	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC25	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC26	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
RC13	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
RC14	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
CC12	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
DC25	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC14L	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC14R	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC19L	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC19R	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FC20L	2401-000650	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,2.5	
UC3	2401-000752	C-AL;220nF,20%,50V,GP,BK,3x5,1mm	
RC15	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC16	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC19	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC20	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC12	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC13	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC14	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
UC2	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
CC13	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
CC14	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC17L	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC17R	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC74	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC73	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC72	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC71	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
HC14	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
HC13	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
FC28	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
HC15	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
HC16	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
NC11	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
RC18	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C17	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
CC16	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
CC17	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
DC42	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
DC45	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
FC15	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
FC27	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
DC28	2401-001895	C-AL;100uF,20%,16V,GP,6.3*11,5MM,TP	
UC1	2409-000123	C-EDL;47000uF,4uA,5.5V,-,BK,-,5mm	
DX11	2804-001446	OSCILLATOR-CLOCK;12.288MHZ,25PPM,TTL,ST,	
DB25	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB24	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB23	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB29	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB30	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
OD11	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB22	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB12	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB13	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB14	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB15	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB16	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
DB19	3301-000353	CORE-FERRITE BEAD;AB,120ohm,2x1.25x0.9mm	
UIC1	AH11-00049D	MASK ROM;LC866548V-50B9,HT-DM150,-,QFP,	

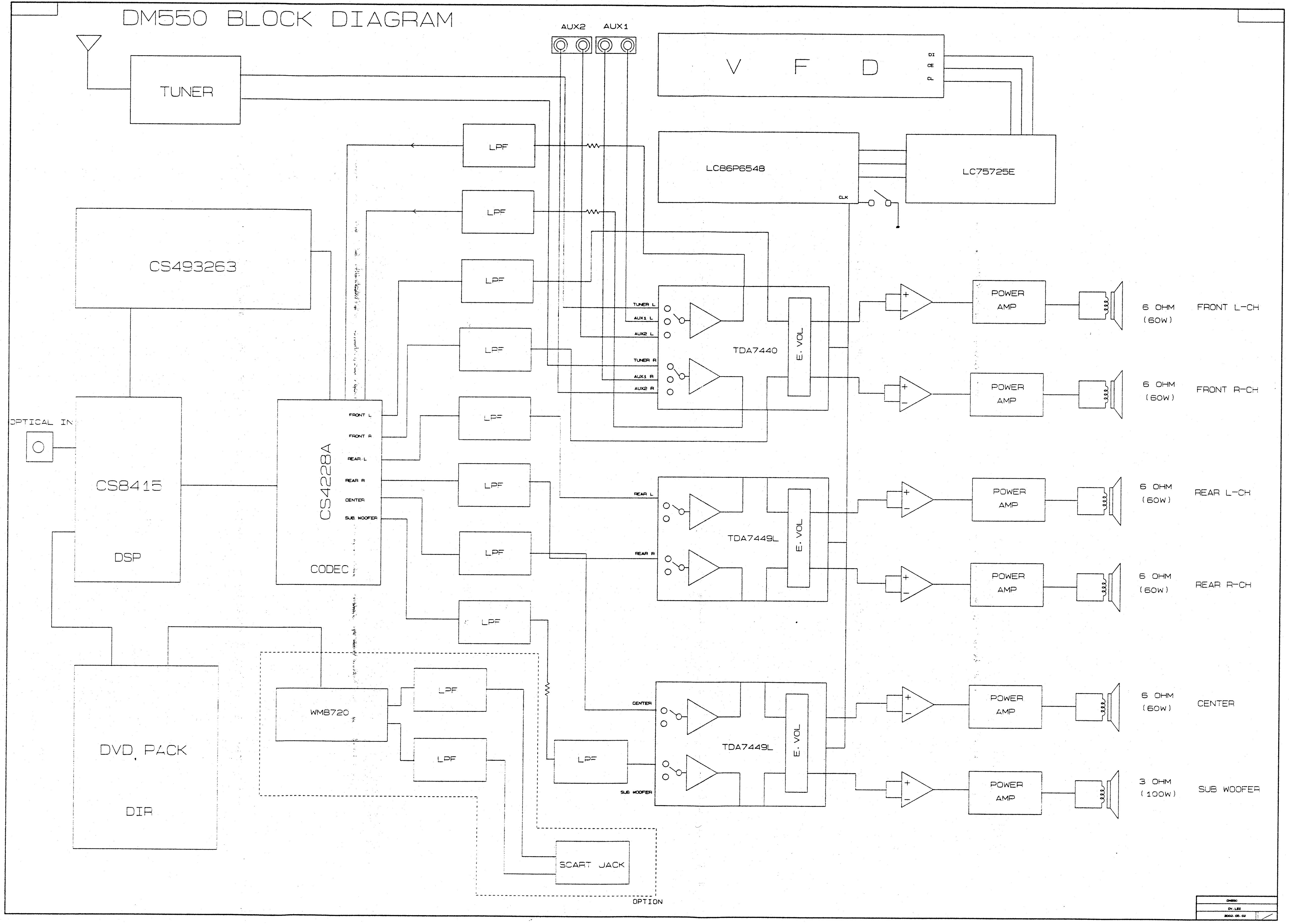
AH92-01648A ASSY PCB;HT-DM550,POWER PCB ASSY,USA

Location no.	Code no.	Description & Specification	Remarks
RBD1	0402-001077	DIODE-BRIDGE;KBP202G,200V,2A,SIP-4	
RIC2	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
RIC1	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
RR3	2003-000603	R-METAL OXIDE(S);270ohm,5%,1W,AA,TP,3.3x	
RR10	2003-000606	R-METAL OXIDE(S);270ohm,5%,2W,AA,TP,4x12	
RC4	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC3	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC2	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC1	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,16x	
RC6	2401-001413	C-AL;470uF,20%,35V,GP,-,10x20,5mm	
RE3	3501-001008	RELAY-POWER;12Vdc,530mW,10A,1FormC,15mS,	
RE1	3501-001159	RELAY-MINIATURE;12VDC,0.54W,44.4MA,SPST,	
RFU3	3601-000184	FUSE;250V,160mA,TIME-LAG,GLASS,5x20	
RFU1	3601-001201	FUSE-CARTRIDGE;125V,8A,TIME-LAG,GLASS,5.	
RCW1	3711-000190	CONNECTOR-HEADER;1WALL,2P,1R,7.92mm,STRA	
RCW3	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
RCW2	3711-004848	CONNECTOR-HEADER;BOX,3P,1R,7.92MM,STRAIG	
RPT1	AH26-00143A	TRANS POWER;-,HT-DL100,-,6,144V,24V/9V,0	
RL4	AH27-00035A	COIL FILTER;SA880A,500UH##30%,-,8T	
RD9	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD8	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD7	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD4	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD3	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RZD3	0403-000004	DIODE-ZENER;UZ12BM,12V,11.6-12.4V,500mW,	
RZD2	0403-000352	DIODE-ZENER;UZ4.7BM,4.7V,4.4-5.0V,500mW,	
RZD1	0403-000354	DIODE-ZENER;UZ5.1B,5.1V,4.8-5.4V,500mW,D	
RQ3	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ2	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ1	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
RR4	2001-000050	R-CARBON;2.7Kohm,5%,1/4W,AA,TP,2.4x6.4m	
RR19	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR17	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR14	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR18	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR19	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR5	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR2	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR15	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR7	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR9	2001-000702	R-CARBON;39Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR16	2001-000773	R-CARBON;470Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR11	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR13	2001-000850	R-CARBON;560Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR12	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR6	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR8	2001-001050	R-CARBON(S);1.5Kohm,5%,1/2W,AA,TP,2.4x6.	
RR1	2001-001095	R-CARBON(S);2.2Mohm,5%,1/2W,AA,TP,2.4x6.	
RC8	2401-000438	C-AL;10uF,20%,25V,GP,-,5x11,5mm	
RC13	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
RC7	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
RC9	2401-000588	C-AL;1uF,20%,50V,GP,TP,3x5,2.5	
RC11	2401-001238	C-AL;4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC10	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
RC12	2401-001538	C-AL;47uF,20%,25V,GP,TP,5x11mm,5mm	
RFU3	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RFU1	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	

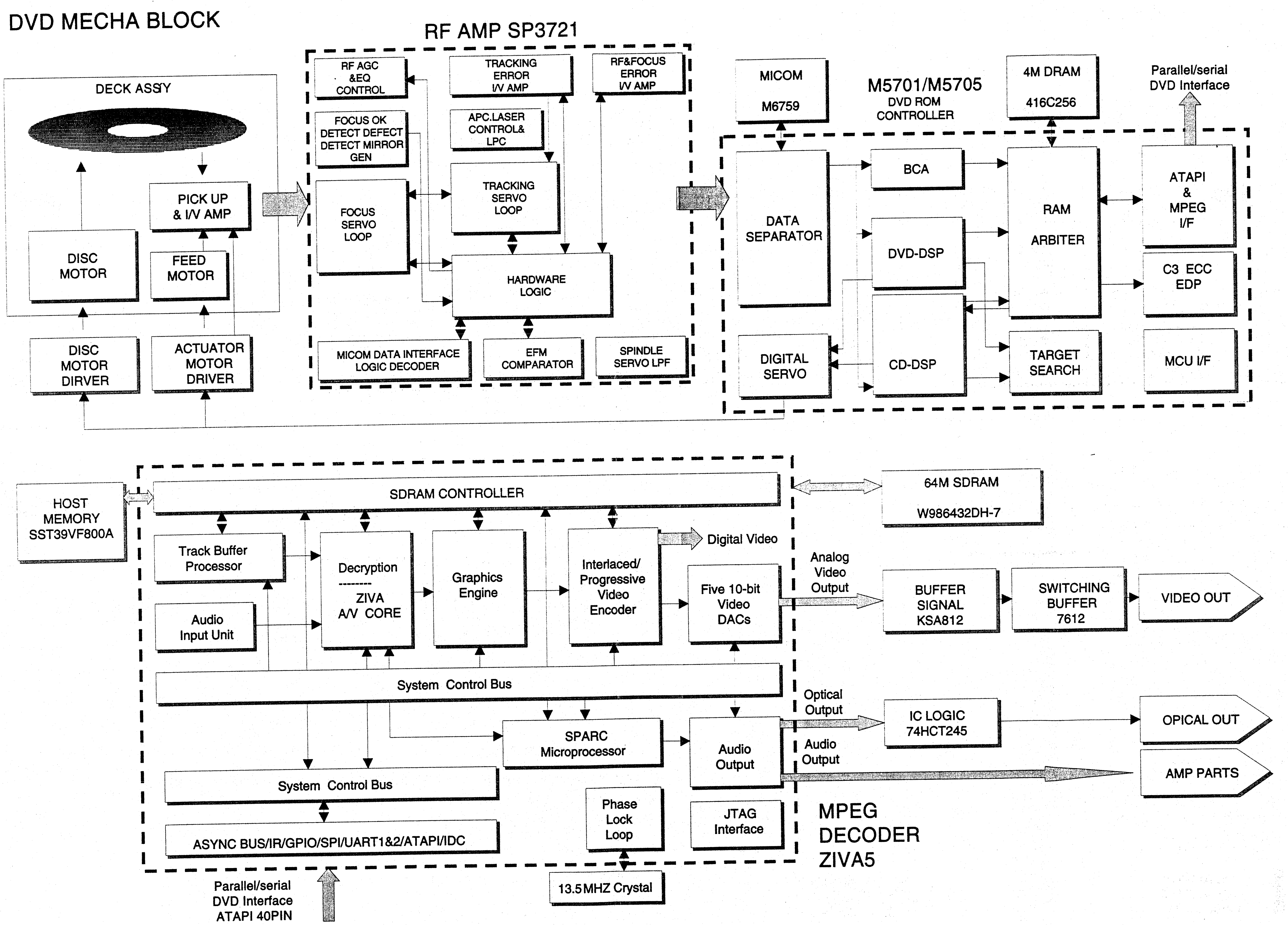
4. Block Diagram

4-1 MAIN Part ; HT-DM150


DM150 BLOCK DIAGRAM
TUNER
AUX2
AUX1
V F D
DI
CE
CL
LPF
LC86P6548
CLK
LC75725E
CS493263
OPTICAL IN
CS8415
DSP
CS4228A
CODEC
FRONT L
FRONT R
REAR L
REAR R
CENTER
SUB WOOFER
TUNER L
AUX1 L
AUX2 L
TUNER R
AUX1 R
AUX2 R
TDA7440
E. VOL
TDA7449L
REAR L
REAR R
CENTER
SUB WOOFER
POWER AMP
6 OHM (46W)
FRONT L-CH
FRONT R-CH
REAR L-CH
REAR R-CH
CENTER
3 OHM (70W)
SUB WOOFER
DVD PACK
DIR
WM8720
SCART JACK
OPTION
DM150
DY. LEE
2002. 05. 02


DM550 BLOCK DIAGRAM
AUX2
AUX1
TUNER
V F D
DI
CE
CL
LC86P6548
CLK
LC75725E
LPF
LPF
LPF
LPF
LPF
LPF
LPF
LPF
CS493263
OPTICAL IN
CS8415
DSP
CS4228A
CODEC
FRONT L
FRONT R
REAR L
REAR R
CENTER
SUB. WOOFER
TUNER L
AUX1 L
AUX2 L
TUNER R
AUX1 R
AUX2 R
TDA7440
E. VOL
REAR L
REAR R
TDA7449L
E. VOL
CENTER
SUB WOOFER
TDA7449L
E. VOL
POWER AMP
POWER AMP
POWER AMP
POWER AMP
POWER AMP
POWER AMP
6 OHM (60W)
FRONT L-CH
6 OHM (60W)
FRONT R-CH
6 OHM (60W)
REAR L-CH
6 OHM (60W)
REAR R-CH
6 OHM (60W)
CENTER
3 OHM (100W)
SUB WOOFER
DVD PACK
DIR
WM8720
LPF
LPF
LPF
SCART JACK
OPTION
DM550
DY. LEE
2002. 05. 09

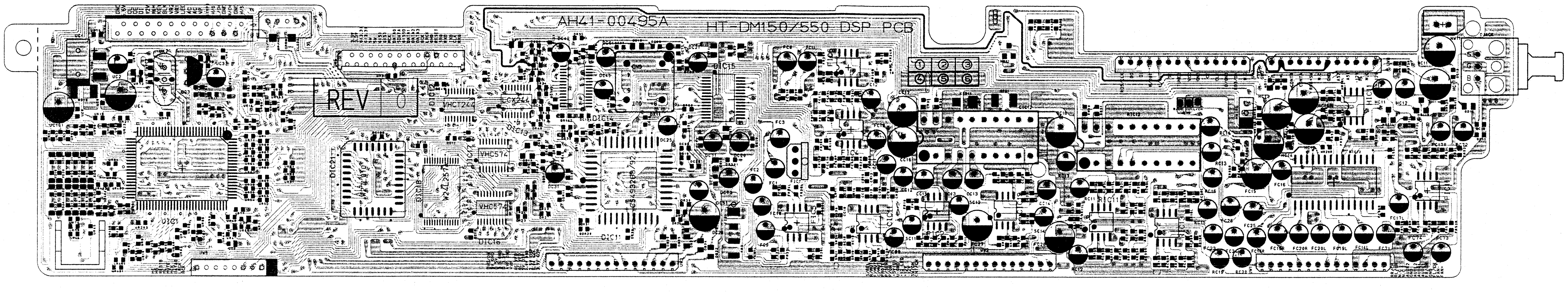
4-3 DVD Part


DVD MECHA BLOCK
DECK ASSY
PICK UP & I/V AMP
DISC MOTOR
FEED MOTOR
DISC MOTOR DIRVER
ACTUATOR MOTOR DRIVER
RF AMP SP3721
RF AGC &EQ CONTROL
TRACKING ERROR I/V AMP
RF&FOCUS ERROR I/V AMP
FOCUS OK DETECT DEFECT DETECT MIRROR GEN
APC.LASER CONTROL& LPC
TRACKING SERVO LOOP
FOCUS SERVO LOOP
HARDWARE LOGIC
MICOM DATA INTERFACE LOGIC DECODER
EFM COMPARATOR
SPINDLE SERVO LPF
MICOM M6759
M5701/M5705 DVD ROM CONTROLLER
4M DRAM 416C256
Parallel/serial DVD Interface
DATA SEPARATOR
BCA
DVD-DSP
CD-DSP
RAM ARBITER
ATAPI & MPEG I/F
C3 ECC EDP
TARGET SEARCH
MCU I/F
DIGITAL SERVO
HOST MEMORY SST39VF800A
SDRAM CONTROLLER
64M SDRAM W986432DH-7
Track Buffer Processor
Audio Input Unit
Decryption -------- ZIVA A/V CORE
Graphics Engine
Interlaced/ Progressive Video Encoder
Digital Video
Five 10-bit Video DACs
Analog Video Output
BUFFER SIGNAL KSA812
SWITCHING BUFFER 7612
VIDEO OUT
System Control Bus
SPARC Microprocessor
Audio Output
Optical Output
IC LOGIC 74HCT245
OPICAL OUT
Audio Output
AMP PARTS
System Control Bus
ASYNC BUS/IR/GPIO/SPI/UART1&2/ATAPI/IDC
Phase Lock Loop
JTAG Interface
MPEG DECODER ZIVA5
13.5MHZ Crystal
Parallel/serial DVD Interface ATAPI 40PIN

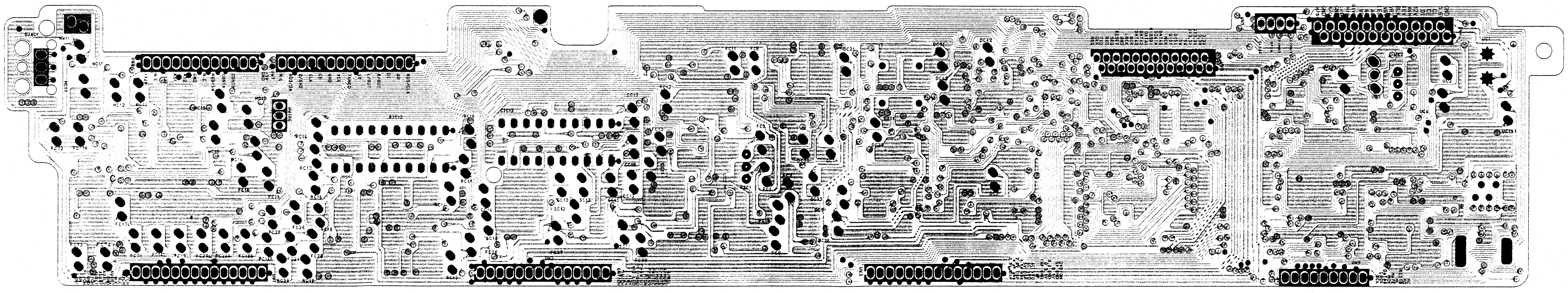
5. Printed Circuit Board Diagram

5-1 DSP ; HT-DM150/550

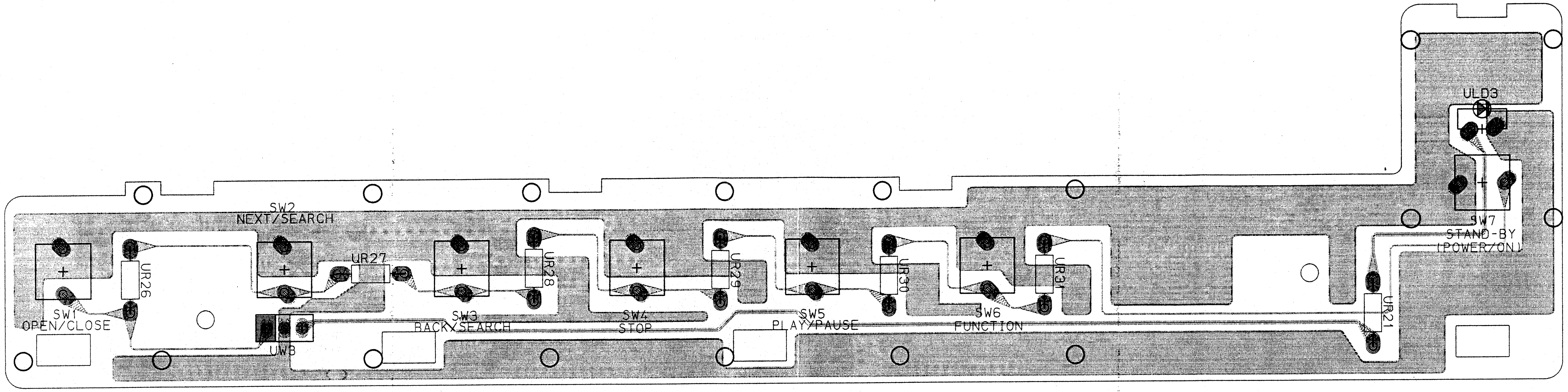
* TOP VIEW


AH41-00495A
HT-DM150/550 DSP PCB
REV 0
VHC574
VHC574

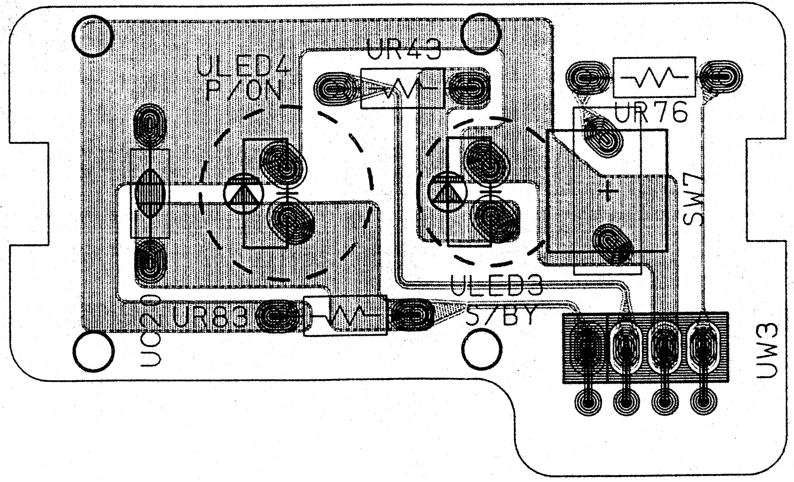
* BOTTOM VIEW



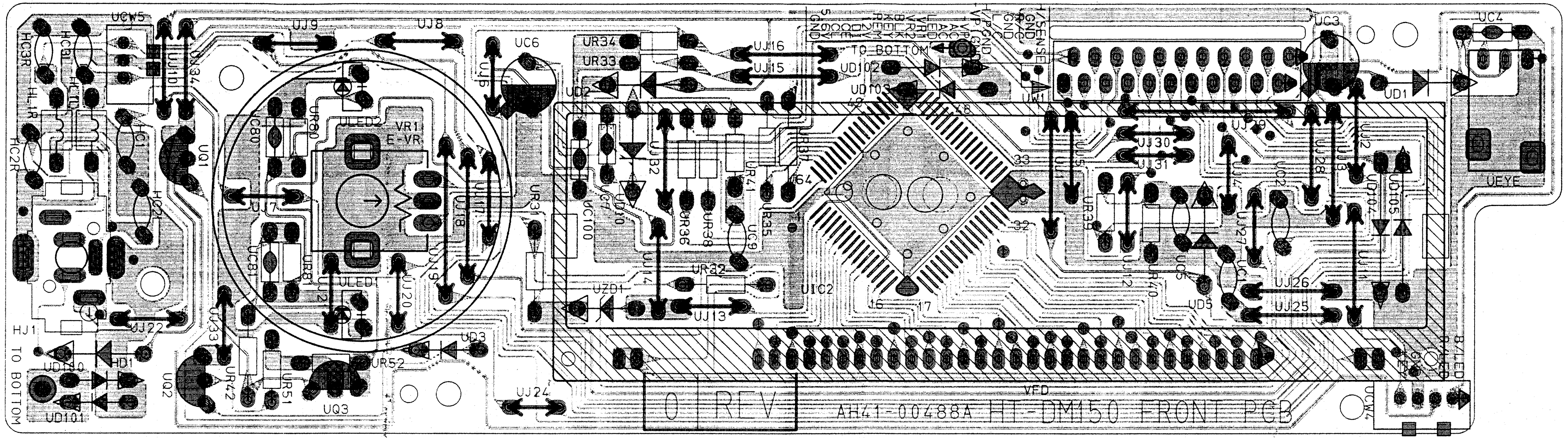
5-2-1 FRONT KEY ; HT-DM150


ULD3
SW7
STAND-BY
(POWER/ON)
SW2
NEXT/SEARCH
UR27
UR26
UR28
UR29
UR30
UR31
UR21
SW1
OPEN/CLOSE
SW3
BACK/SEARCH
SW4
STOP
SW5
PLAY/PAUSE
SW6
FUNCTION
UW8

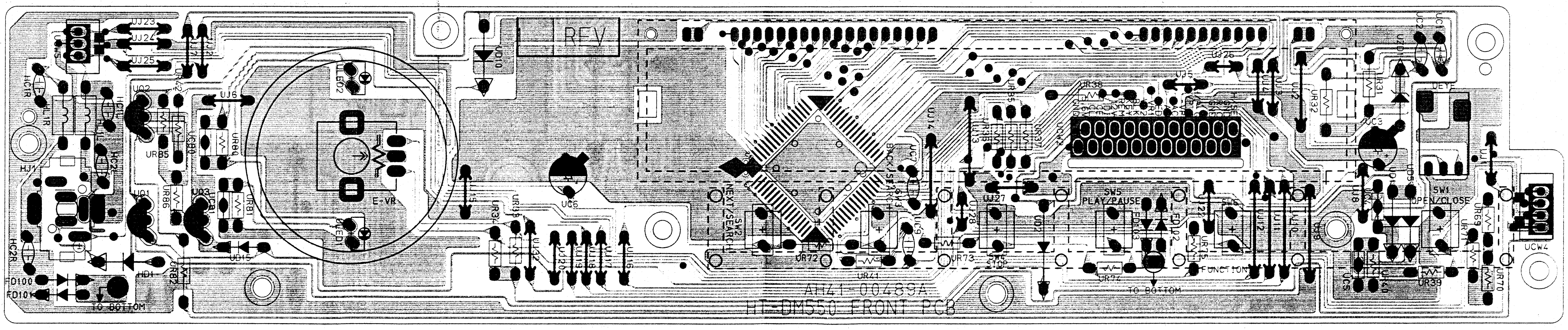
5-2-2 FRONT KEY ; HT-DM550

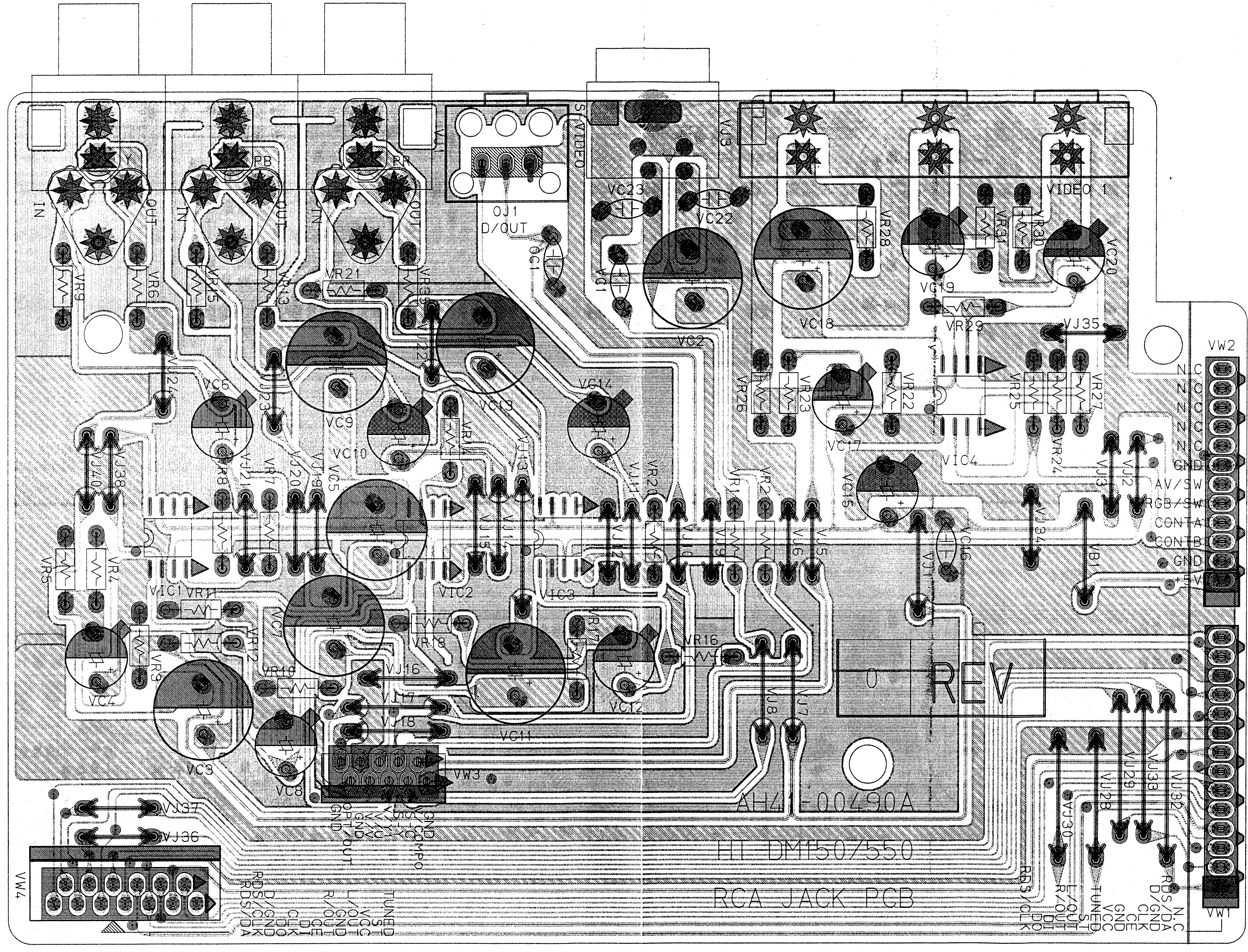

ULED4
P/ON
UR43
UR76
SW7
ULED3
S/BY
UC20
UR83
UW3

5-3-1 FRONT VFD ; HT-DM150

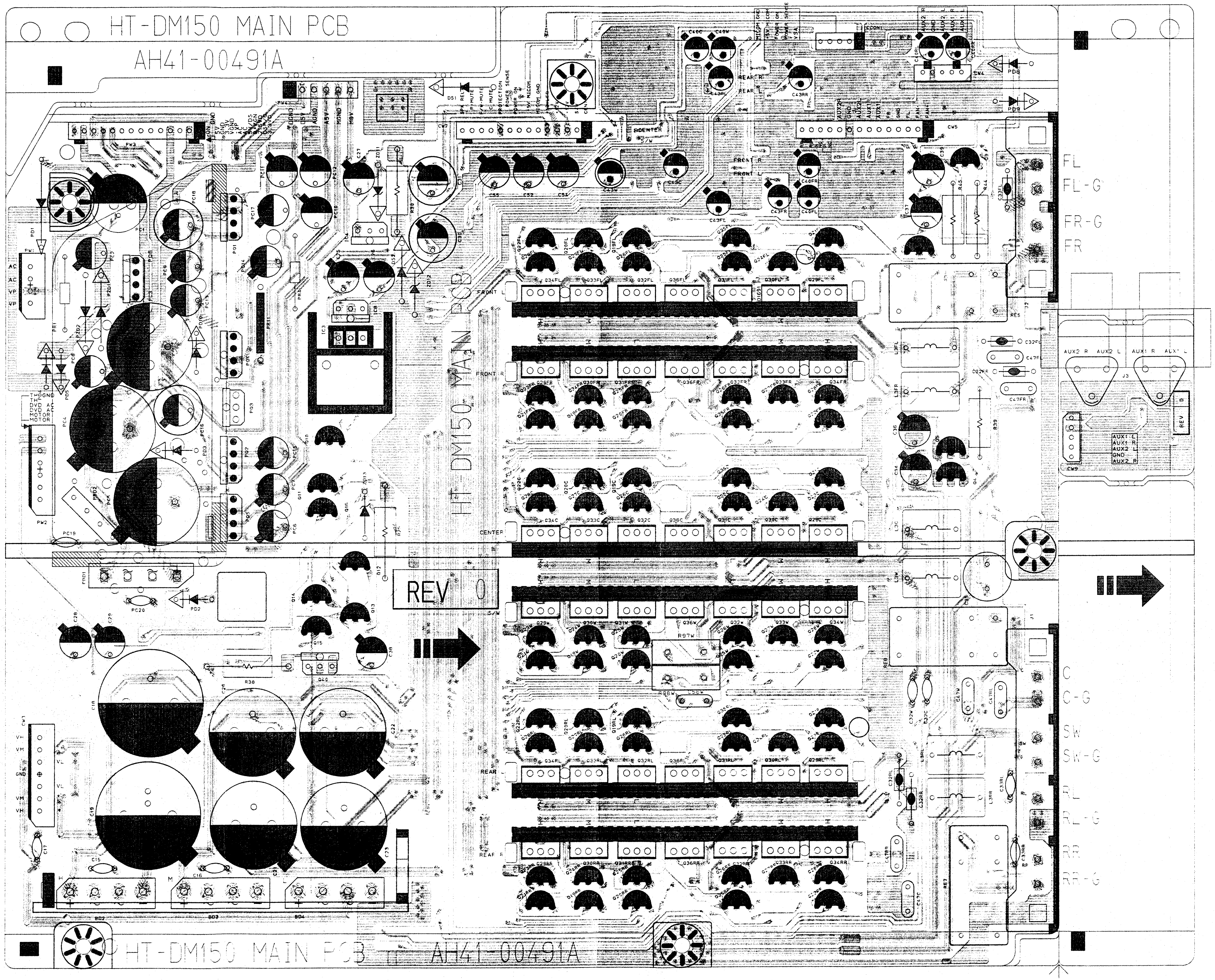

AH41-00488A HT-DM150 FRONT PCB
0 REV
VFD
TO BOTTOM
UCW5
UJ9
UJ8
UC6
UR34
UR33
UJ16
UJ15
UD102
UD103
UC3
UC4
UD1
UEYE
VR1
E-VR
ULED2
ULED1
UQ1
UQ2
UQ3
UIC1
UIC2
UJ30
UJ31
UJ26
UJ25
UJ13
UJ22
UJ24
UD101
UR52
UD3
UD5
UZD1
UR32
HJ1
HD1
HC2R
HC3R
UCW4
B/LED
33
32
16
17
64

5-3-2 FRONT VFD ; HT-DM550

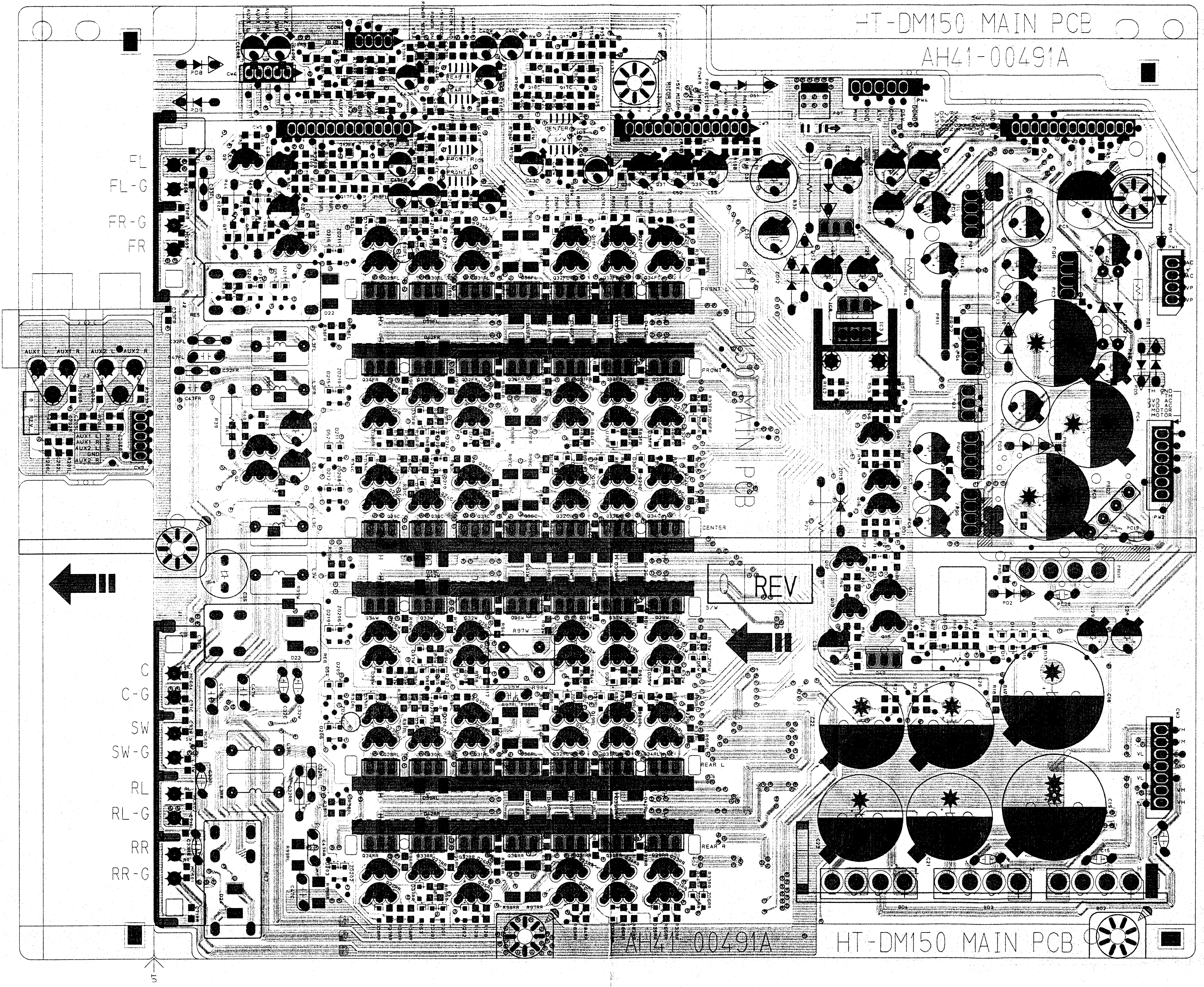

AH41-00489A
HT-DM550 FRONT PCB
REV
E-VR
ULED2
ULED1
UJ23
UJ24
UJ25
UQ1
UQ2
UQ3
UC6
UC3
UEYE
HJ1
HD1
HC2R
FD100
FD101
TO BOTTOM
SW2 NEXT/SEARCH
BACK/SEARCH
SW5 PLAY/PAUSE
SW5 STOP
FUNCTION
SW1 OPEN/CLOSE
UCW4
UR72
UR73
UR74
UR39
UR70
UR38
UJ26
UJ27
UJ28
UD15
UD10
UD2


Y
PB
PR
IN
OUT
S-VIDEO
VJ3
VIDEO 1
OJ1
D/OUT
OC1
VC1
VC2
VC3
VC4
VC5
VC6
VC7
VC8
VC9
VC10
VC11
VC12
VC13
VC14
VC15
VC16
VC17
VC18
VC19
VC20
VC22
VC23
VIC1
VIC2
VIC3
VIC4
VR1
VR2
VR3
VR4
VR5
VR6
VR9
VR10
VR11
VR12
VR13
VR15
VR16
VR17
VR18
VR20
VR21
VR22
VR23
VR24
VR25
VR26
VR27
VR28
VR29
VR30
VR31
VJ1
VJ2
VJ5
VJ6
VJ7
VJ8
VJ9
VJ16
VJ17
VJ18
VJ19
VJ20
VJ21
VJ22
VJ23
VJ24
VJ28
VJ29
VJ30
VJ32
VJ33
VJ34
VJ35
VJ36
VJ37
VJ38
VJ40
VB1
VW1
VW2
VW3
VW4
N.C
GND
AV/SW
RGB/SW
CONT A
CONT B
+5V
REV
0
AH41-00490A
HT-DM150/550
RCA JACK PCB
GND
OPT OUT
GND
V
GND
Y
C
GND
COMPO
TUNED
ST
VCC
GND
L/OUT
R/OUT
CE
DI
DO
CLK
GND
RDS/CLK
RDS/DA

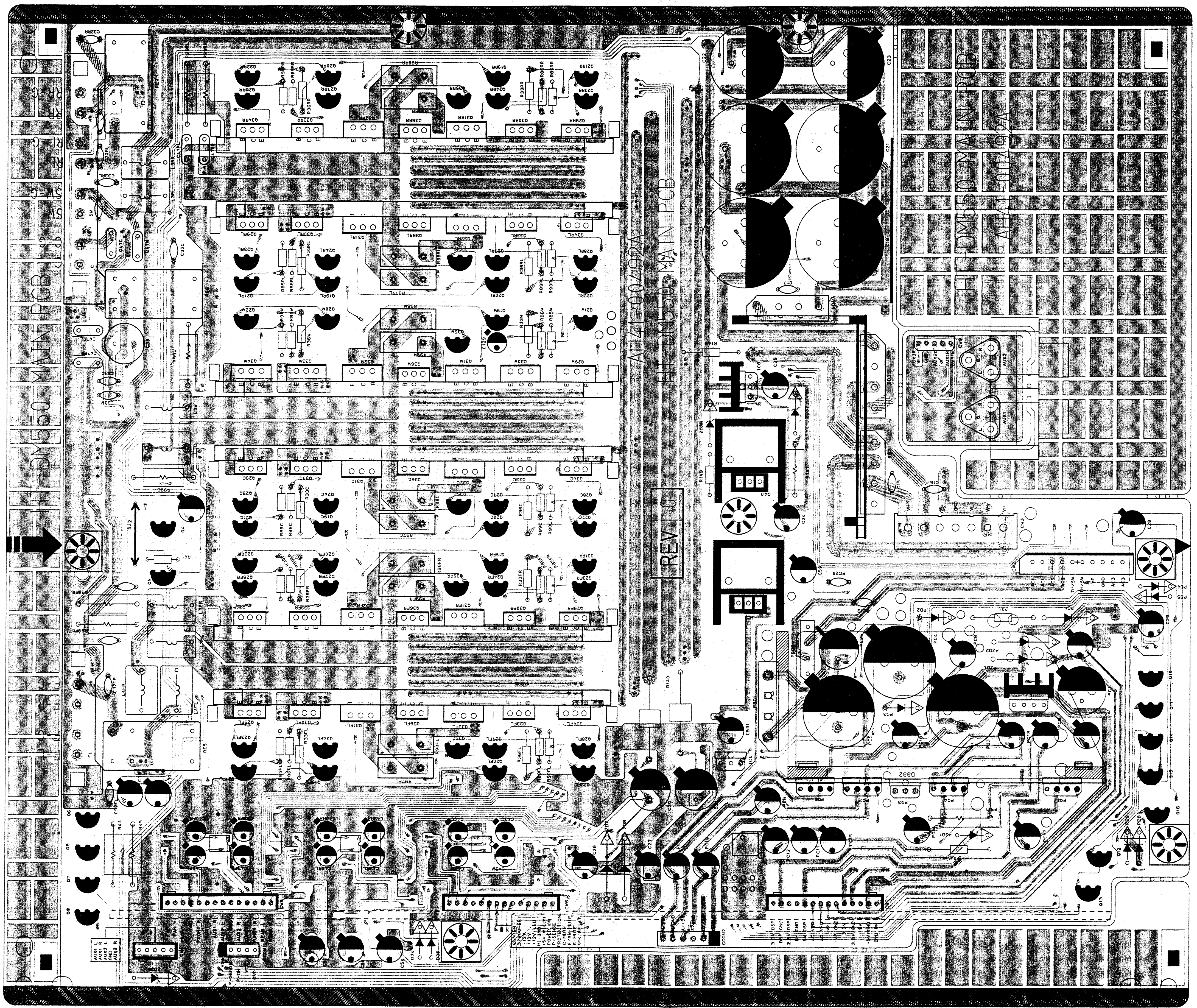
5-5-1 MAIN ; HT-DM150 (TOP VIEW)

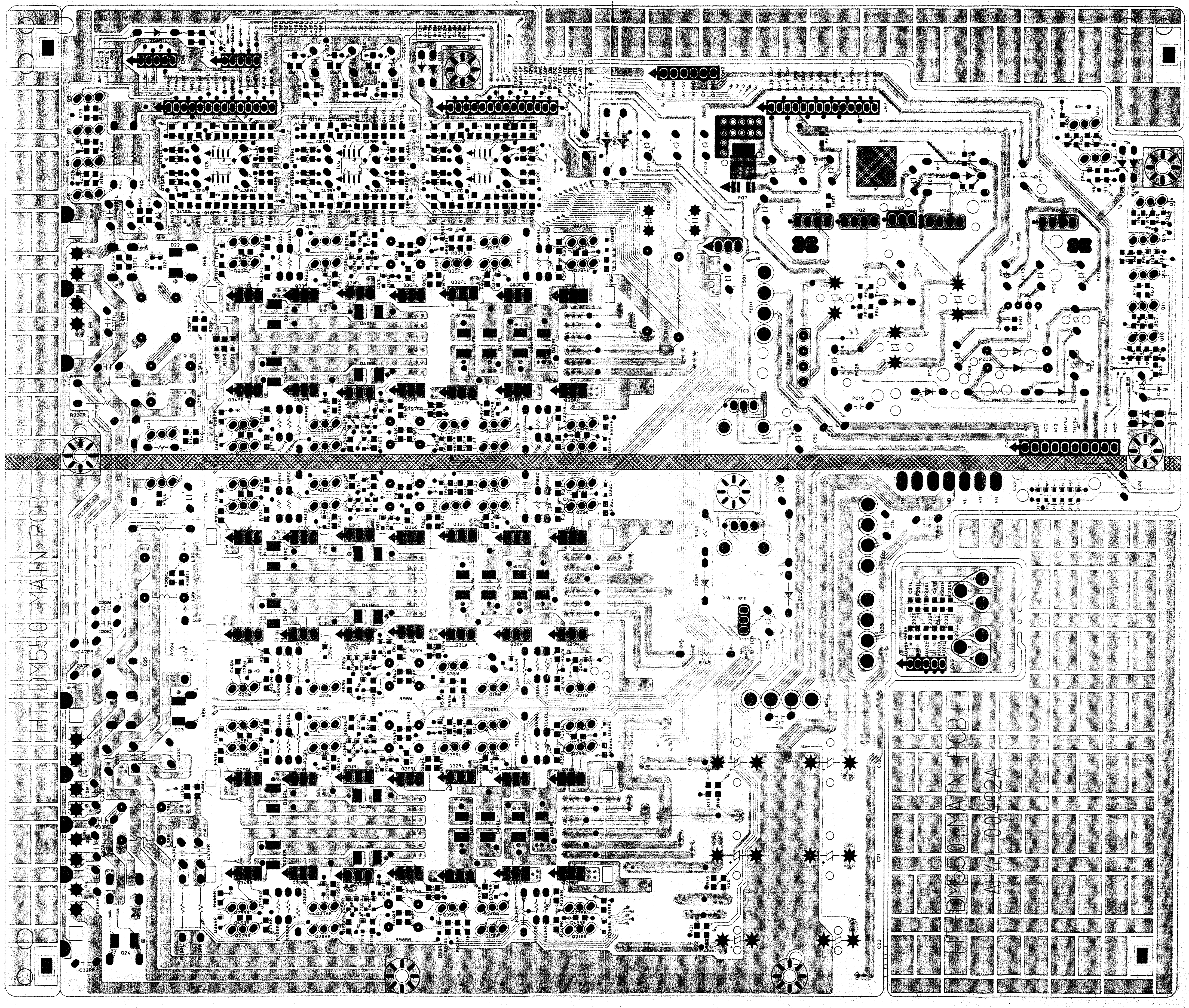

HT-DM150 MAIN PCB
AH41-00491A
FL
FL-G
FR-G
FR
AUX2 R
AUX2 L
AUX1 R
AUX1 L
J3
REV
C
C-G
SW
SW-G
RL
RL-G
RR
RR-G
HT-DM150 MAIN PCB
REV 0
FRONT
FRONT R
CENTER
S/W
REAR
REAR R
CW5
CW9
PW2
PC19
PC20
PD2
R38
BD2
BD3
BD4
C15
C16
C17
C18
C19
C23
CW1
HT-DM150 MAIN PCB AH41-00491A

5-5-2 MAIN ; HT-DM150 (BOTTOM VIEW)


HT-DM150 MAIN PCB
AH41-00491A
FL
FL-G
FR-G
FR
AUX1 L
AUX1 R
AUX2 L
AUX2 R
C
C-G
SW
SW-G
RL
RL-G
RR
RR-G
REV
FRONT L
FRONT R
CENTER
S/W
REAR L
REAR R
HT-DM150 MAIN PCB
AH41-00491A
HT-DM150 MAIN PCB

5-5-3 MAIN ; HT-DM550 (TOP VIEW)

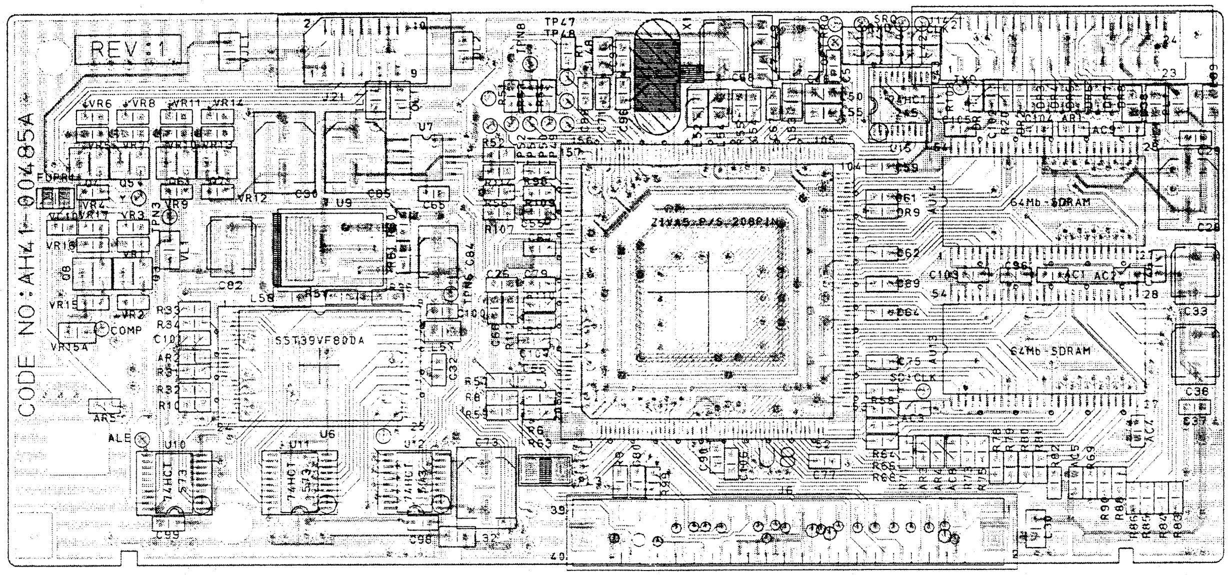

HT-DM550 MAIN PCB
AH41-00792A
HT-DM550 MAIN PCB
AH41-00792A
HT-DM550 MAIN PCB
AH41-00792A
REV 0



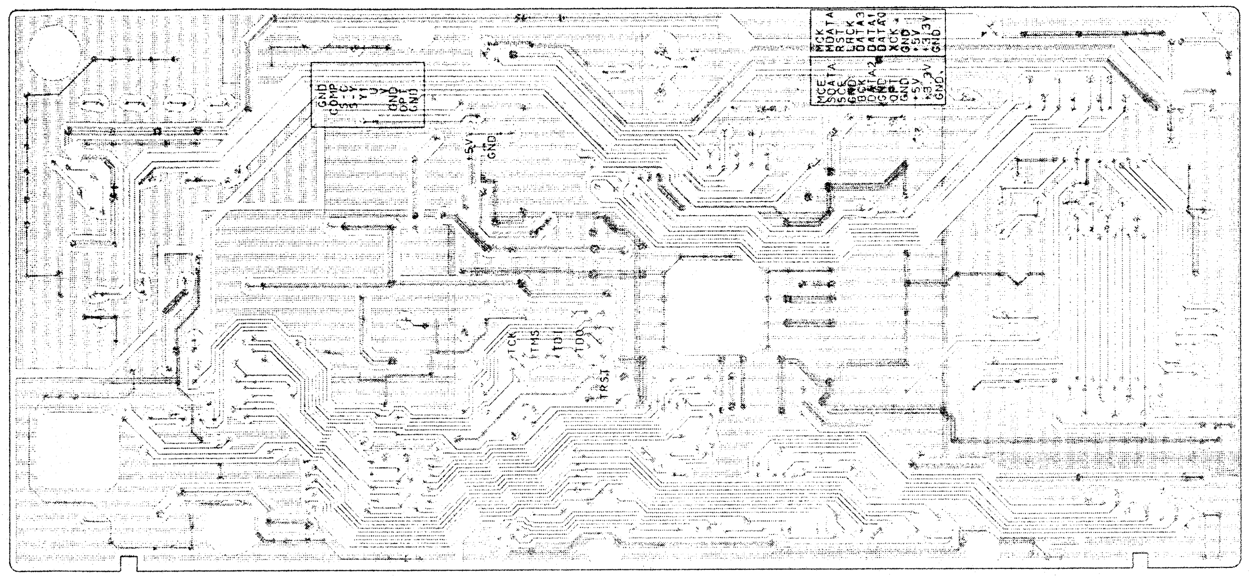
HT-DM550 MAIN PCB
HT-DM550 MAIN PCB
AH41-00492A

5-6 DVD MPEG

* TOP VIEW

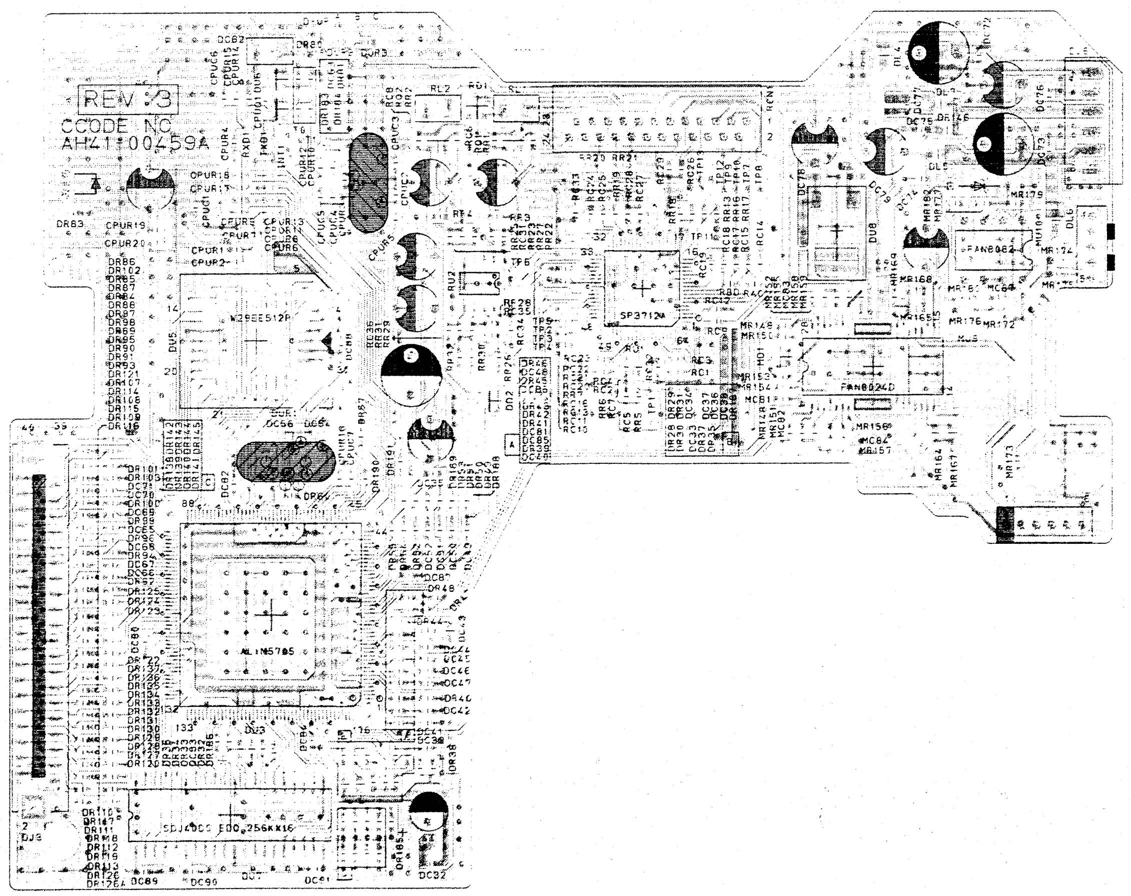

REV:1
CODE NO: AH41-00485A
Z1VAS-P/S-208PIN
64Mb-SDRAM
64Mb-SDRAM
SST39VF800A

* BOTTOM VIEW

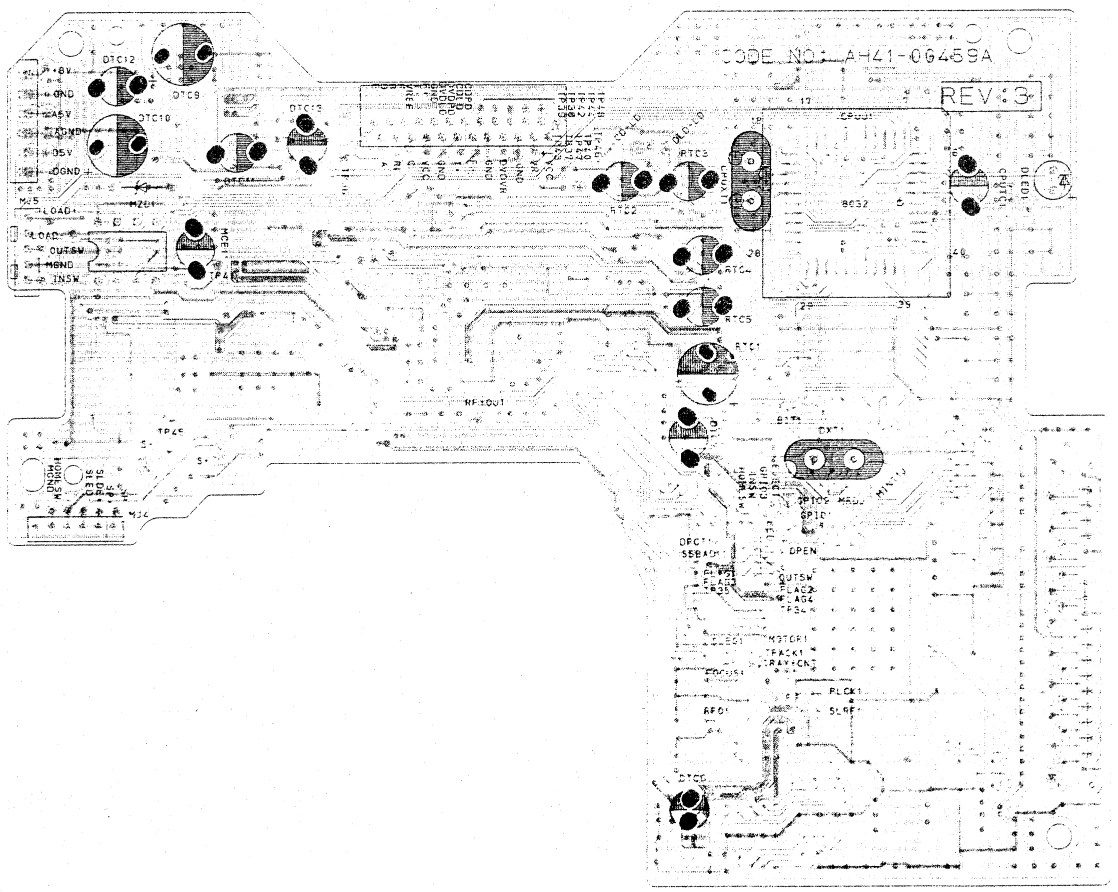


5-7 DVD LOADER

* TOP VIEW

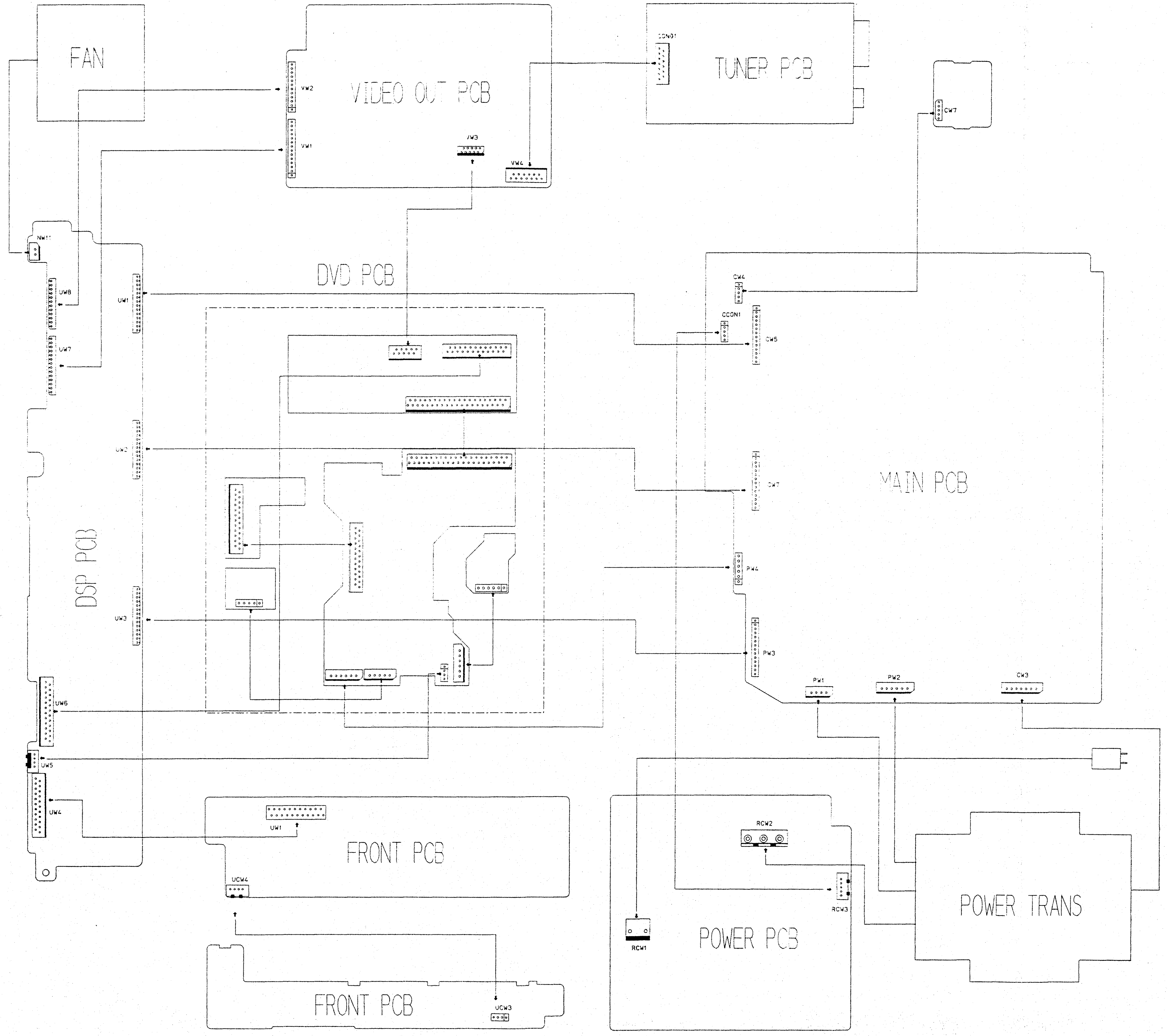

REV:3
CODE NO:
AH41-00459A
ALI M5705
SP3712
FAN8082
FAN8024D

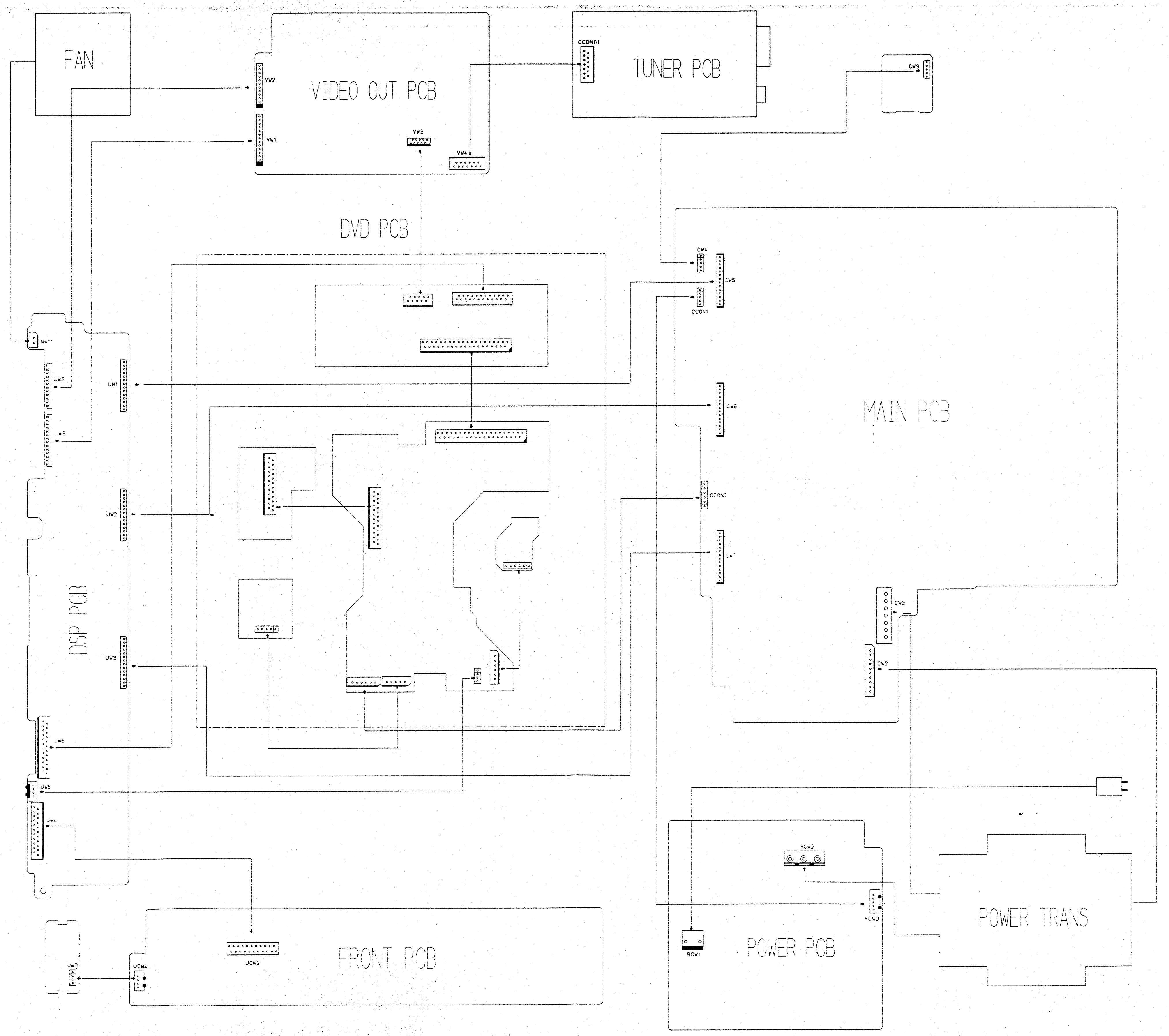
* BOTTOM VIEW


CODE NO: AH41-00459A
REV:3

6. Wiring Diagram

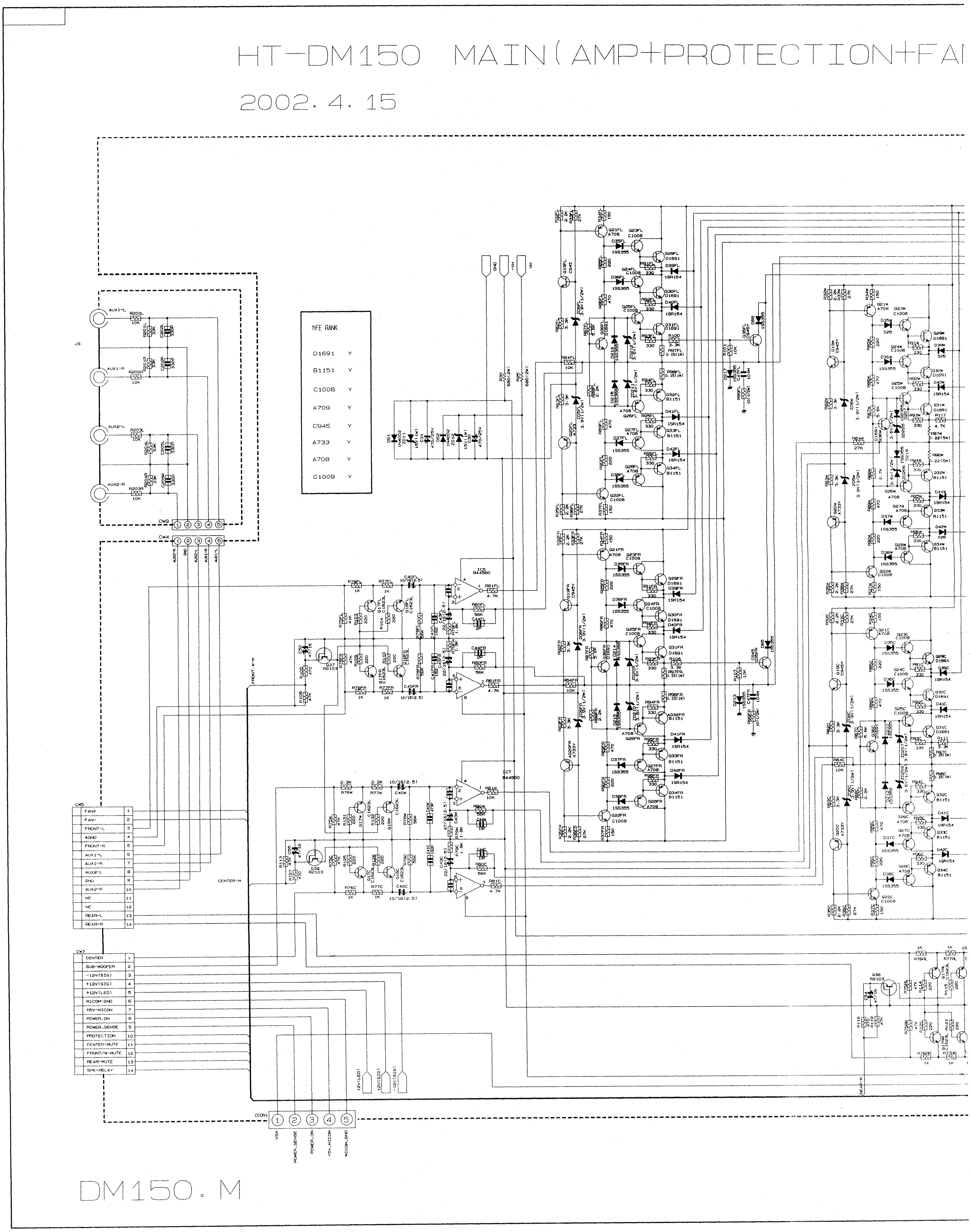
6-1. Wiring Diagram ; HT-DM150


FAN
VIDEO OUT PCB
VM2
VM1
VM3
VM4
CON01
TUNER PCB
CW7
NW11
UW8
UW7
UW1
DVD PCB
UW2
UW3
DSP PCB
UW6
UW5
UW4
CW4
CCON1
CW5
CW7
MAIN PCB
PW4
PW3
PW1
PW2
CW3
UW1
FRONT PCB
UCW4
RCW2
RCW3
RCW1
POWER PCB
POWER TRANS
FRONT PCB
UCW3

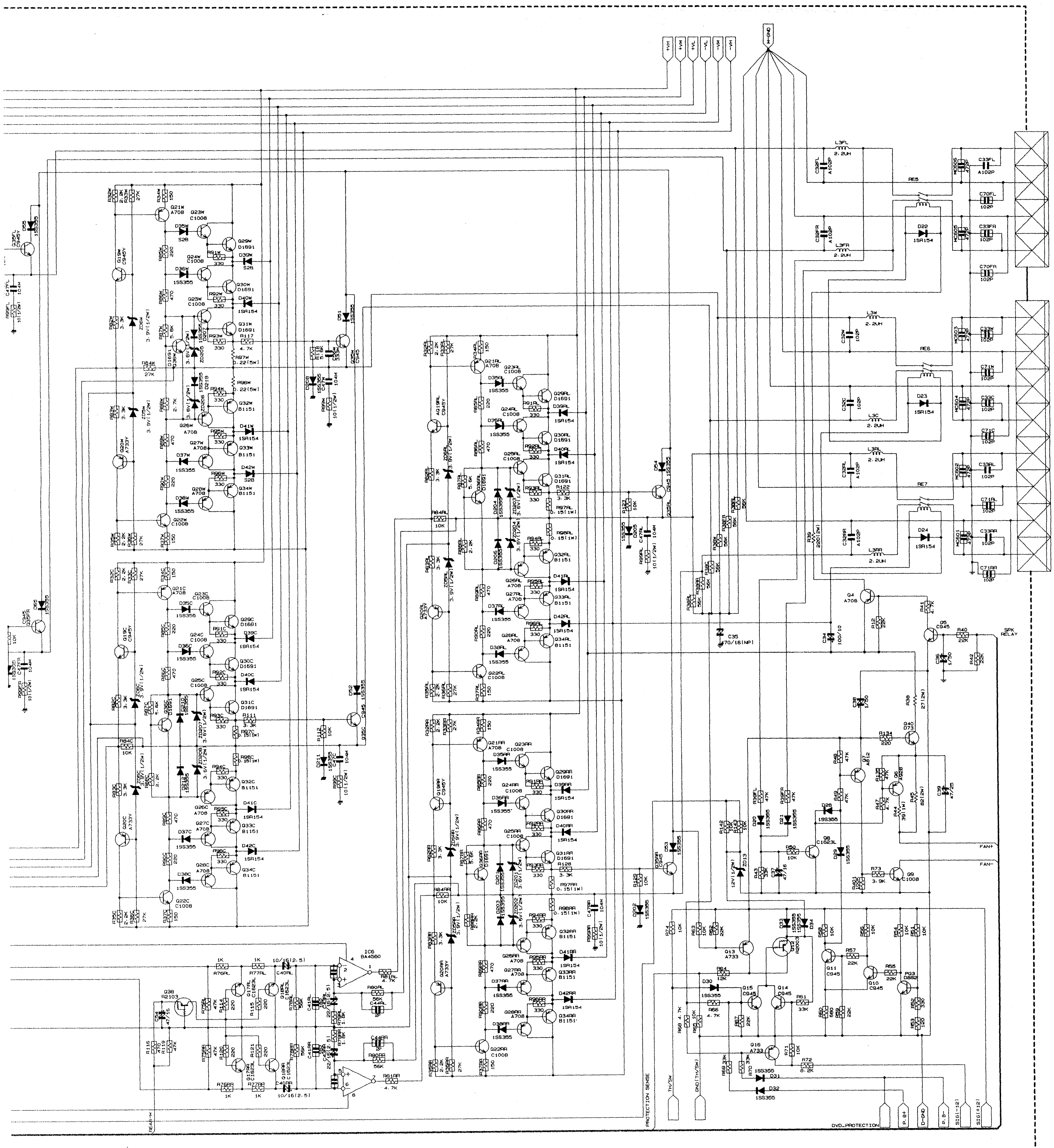

FAN
VIDEO OUT PCB
VW2
VW1
VW3
VW4
CCON01
TUNER PCB
CW9
DVD PCB
MAIN PCB
CW4
CW5
CCON1
CW6
CCON2
CW7
CW3
CW2
DSP PCB
UW1
UW2
UW3
UW5
UW4
FRONT PCB
UCW2
UCW4
UW3
RCW2
RCW3
RCW1
POWER PCB
POWER TRANS

7. Schematic Diagram

7-1-1 MAIN ; HT-DM150


HT-DM150 MAIN(AMP+PROTECTION+FA
2002. 4. 15
hFE RANK
D1691 Y
B1151 Y
C1008 Y
A709 Y
C945 Y
A733 Y
A708 Y
C1009 Y
AUX1-L
AUX1-R
AUX2-L
AUX2-R
J3
CW9
CW4
CW5
FAN+
FAN-
FRONT-L
AGND
FRONT-R
AUX1-L
AUX1-R
AUX2-L
GND
AUX2-R
NC
NC
REAR-L
REAR-R
CW7
CENTER
SUB-WOOFER
-12V(SIG)
+12V(SIG)
+12V(LED)
MICOM-GND
+5V-MICOM
POWER_ON
POWER_SENSE
PROTECTION
CENTER-MUTE
FRONT/W-MUTE
REAR-MUTE
SPK-RELAY
CCON1
V5A
POWER_SENSE
POWER_ON
+5V_MICOM
MICOM_GND
12V(LED)
12V(SIG)
-12V(SIG)
GND
-VH
VH
IC5
BA4560
IC7
BA4560
FRONT.W-M
CENTER-M
REAR-M
DM150.M

TECTION+FAN) CIRCUIT DIAGRAM

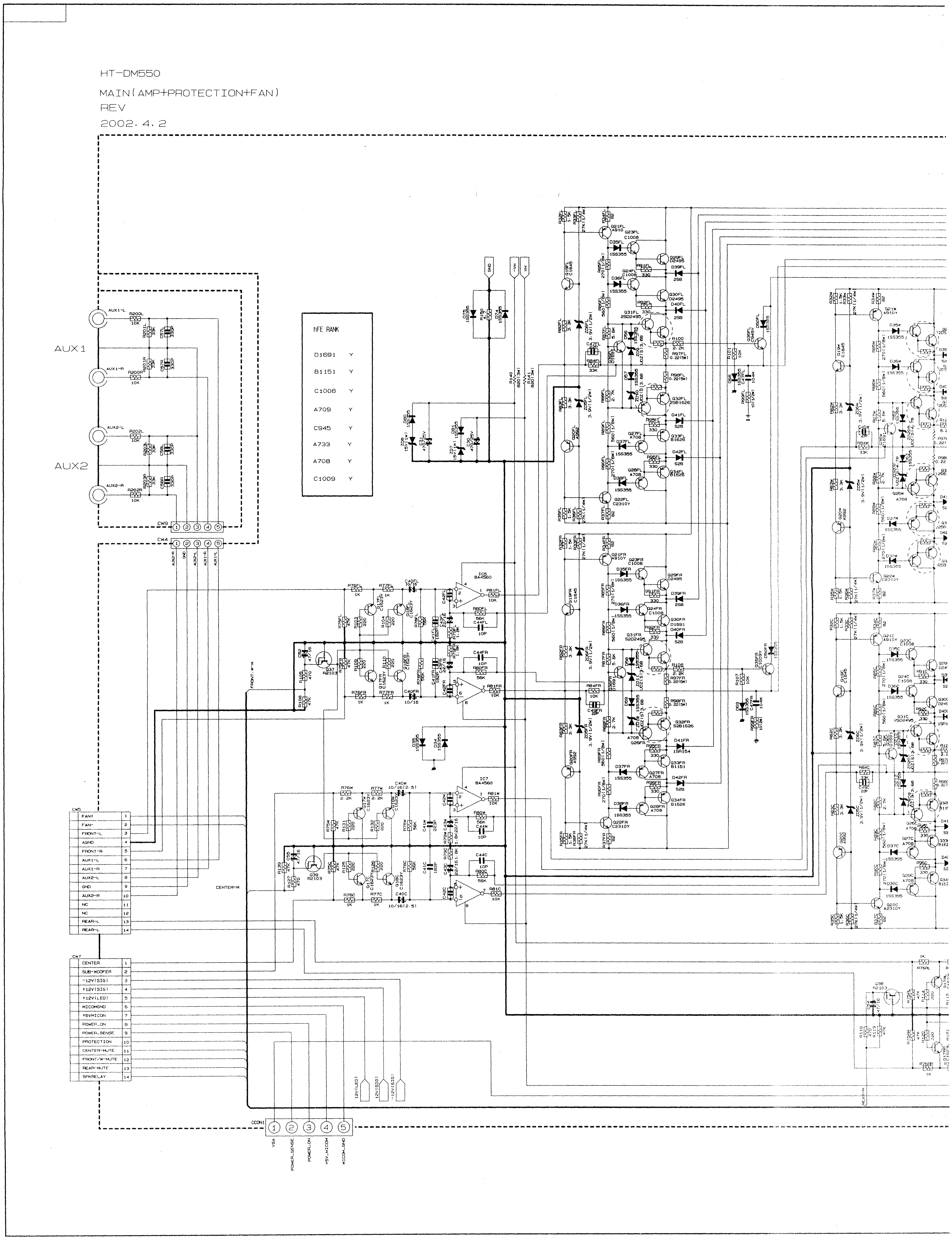

FRONT-L
GND
J2
GND
FRNT-R
S/W
GND
GND
CENTER
J1
REAR-L
GND
GND
REAR-R
RE5
RE6
RE7
L3FL 2.2UH
L3FR 2.2UH
L3W 2.2UH
L3C 2.2UH
L3RL 2.2UH
L3RR 2.2UH
D22 1SR154
D23 1SR154
D24 1SR154
SPK RELAY
FAN-
FAN+
IC6 BA4560
PROTECTION SENSE
DVD_PROTECTION
P.B+
D-GND
P.B-
SIG1-(2)
SIG1(+2)
C35 470/16(NP)
Q4 A708
Q5 C945
Q8 A812
Q9 C1008
Q11 C945
Q13 A733
Q14 C945
Q15 C945
Q16 A733
Q38 A2103
REAR-W

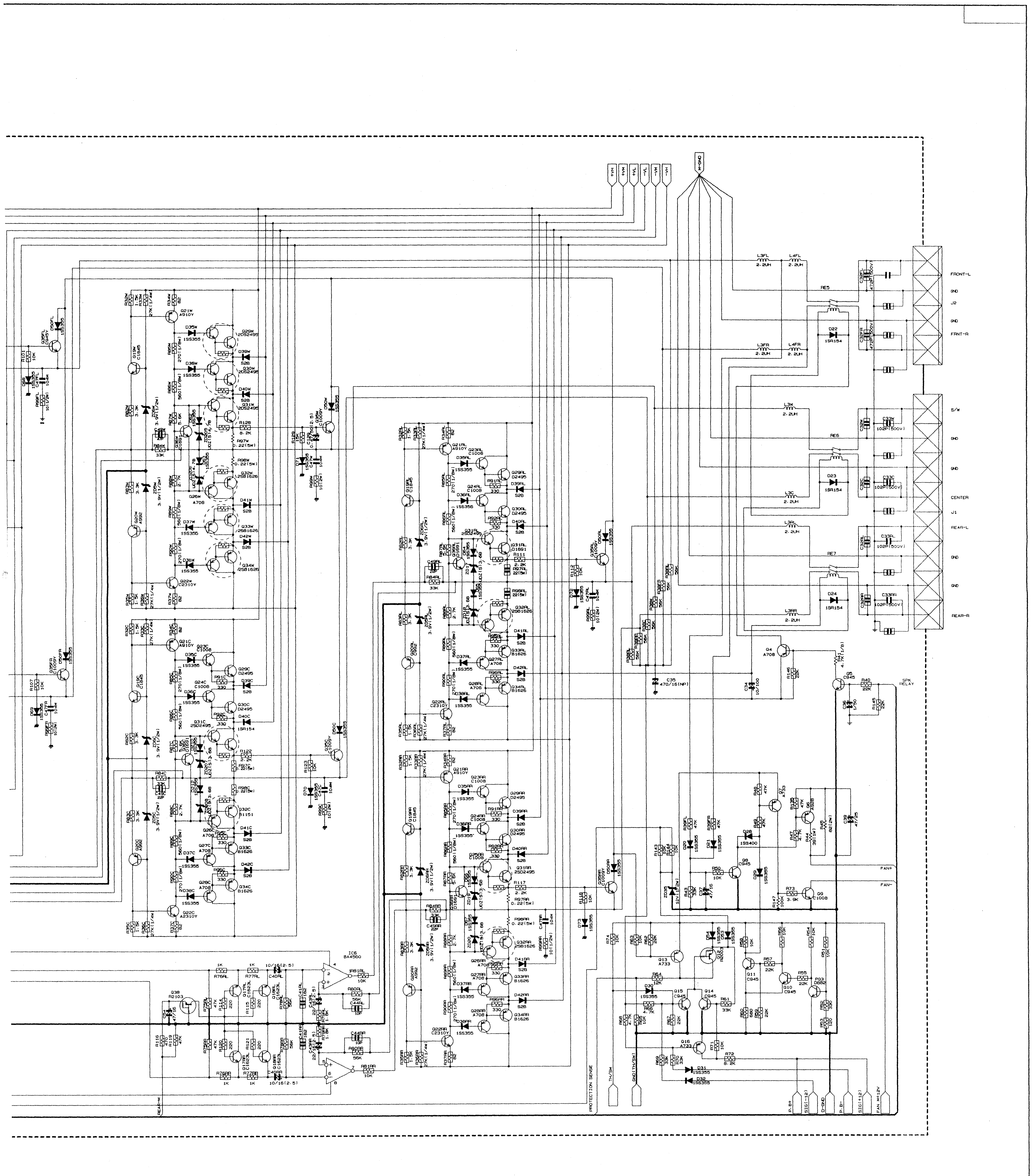
DM150.M

WS.SON

2002.4.15

7-1-2 MAIN ; HT-DM550


HT-DM550
MAIN(AMP+PROTECTION+FAN)
REV
2002. 4. 2
AUX1
AUX2
AUX1-L
AUX1-R
AUX2-L
AUX2-R
CN9
CN4
hFE RANK
D1691 Y
B1151 Y
C1008 Y
A709 Y
C945 Y
A733 Y
A708 Y
C1009 Y
GND
-VH
VH
IC5 BA4560
IC7 BA4560
FRONT-W-M
CENTER-M
CN5
FAN+
FAN-
FRONT-L
AGND
FRONT-R
AUX1-L
AUX1-R
AUX2-L
GND
AUX2-R
NC
NC
REAR-L
REAR-L
CN7
CENTER
SUB-WOOFER
-12V(SIG)
+12V(SIG)
+12V(LED)
MICOMGND
+5VMICON
POWER_ON
POWER_SENSE
PROTECTION
CENTER-MUTE
FRONT/W-MUTE
REAR-MUTE
SPKRELAY
12V(LED)
12V(SIG)
-12V(SIG)
CCON1
VSA
POWER_SENSE
POWER_ON
+5V_MICOM
MICOM_GND

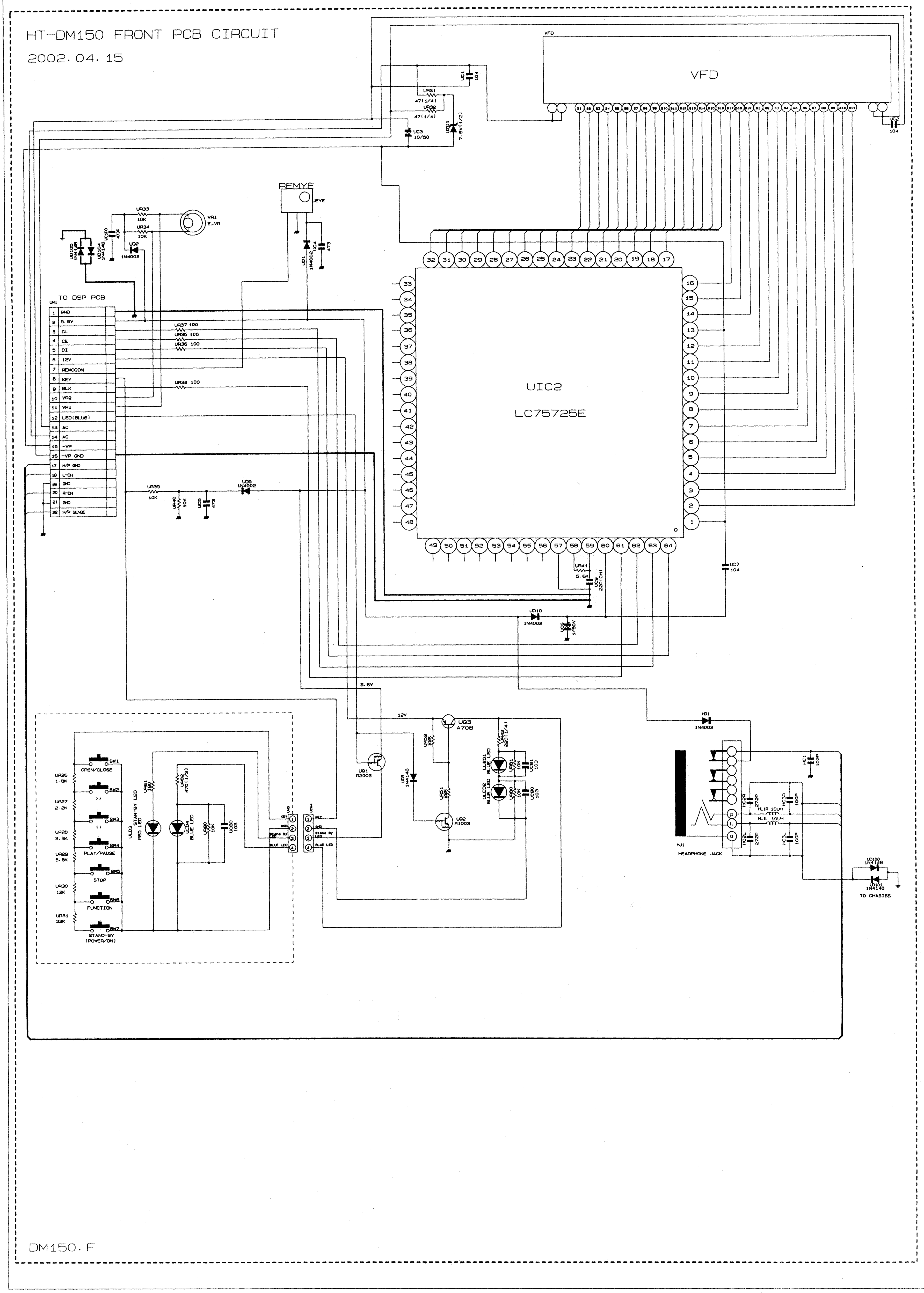

+VH
+VM
+VL
-VL
-VM
-VH
M-GND
FRONT-L
GND
J2
GND
FRNT-R
S/W
GND
GND
CENTER
J1
REAR-L
GND
GND
REAR-R
RE5
RE6
RE7
L3FL 2.2UH
L4FL 2.2UH
L3FR 2.2UH
L4FR 2.2UH
L3W 2.2UH
L3C 2.2UH
L3RL 2.2UH
L3RR 2.2UH
D22 1SR154
D23 1SR154
D24 1SR154
C35 470/16(NP)
Q4 A708
Q5 C945
SPK RELAY
FAN+
FAN-
IC6 BA4560
Q38 R2103
REAR-M
PROTECTION SENSE
TH/SW
GND(TH/SW)
P.B+
SIG(-12)
D-GND
P.B-
SIG(+12)
FAN M+12V

DM550.M

WS.SON

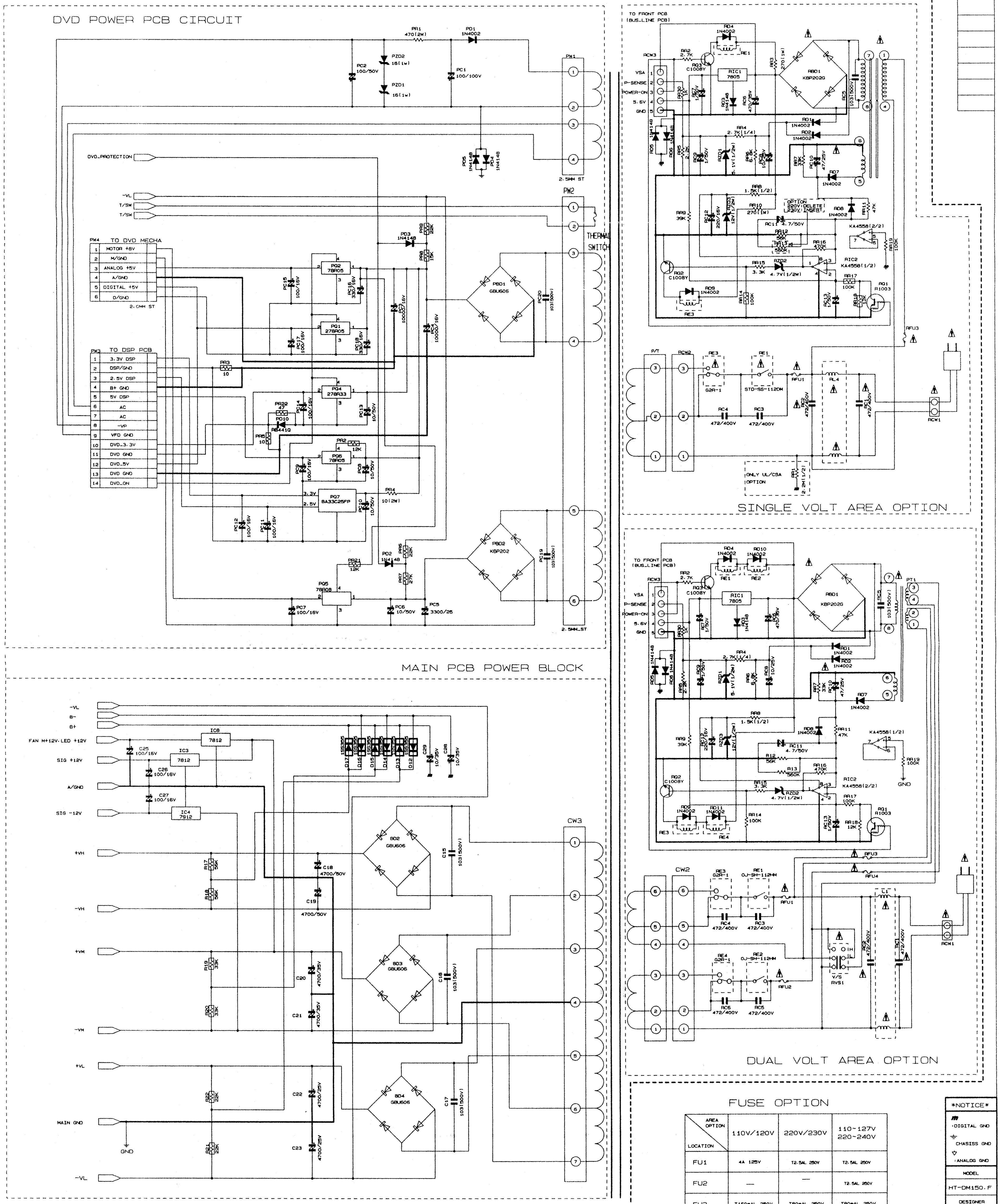
2002.2.22

7-2-1 FRONT & POWER ; HT-DM150


HT-DM150 FRONT PCB CIRCUIT
2002. 04. 15
VFD
UC1 104
UR31 47(1/4)
UR32 47(1/4)
UC3 10/50
UZD1 7.5V(1/2)
UC2 104
REMYE
UEYE
UD1 1N4002
UC4 473
UR33 10K
UR34 10K
VR1 E_VR
UC100 473P
UD2 1N4002
UD105 1N4148
UD104 1N4148
TO DSP PCB
UW1
1 GND
2 5.6V
3 CL
4 CE
5 DI
6 12V
7 REMOCON
8 KEY
9 BLK
10 VR2
11 VR1
12 LED(BLUE)
13 AC
14 AC
15 -VP
16 -VP GND
17 H/P GND
18 L-CH
19 GND
20 R-CH
21 GND
22 H/P SENSE
UR37 100
UR35 100
UR36 100
UR38 100
UR39 10K
UR40 10K
UC5 473
UD5 1N4002
UIC2
LC75725E
UR41 5.6K
UC9 22P(CH)
UC7 104
UD10 1N4002
UC6 1/50V
5.6V
12V
UQ3 A708
UR52 22K
UR42 220(1/4)
ULED1 BLUE LED
UR81 10K
UC81 103
ULED2 BLUE LED
UR80 10K
UC80 103
UQ1 R2003
UD3 1N4148
UR51 22K
UQ2 R1003
UR26 1.8K
UR27 2.2K
UR28 3.3K
UR29 5.6K
UR30 12K
UR31 33K
SW1 OPEN/CLOSE
SW2 ››
SW3 ‹‹
SW4 PLAY/PAUSE
SW5 STOP
SW6 FUNCTION
SW7 STAND-BY (POWER/ON)
ULD3 STAN-BY LED RED LED
UR81 180
UR82 470(1/2)
ULD4 BLUE LED
UR80 10K
UC80 103
KEY
GND
Stand By LED
BLUE LED
HD1 1N4002
HC1 102P
HC2R 272P
HC3R 100P
HL1R 10UH
HL1L 10UH
HC2L 272P
HC3L 100P
HJ1
HEADPHONE JACK
UD100 1N4148
UD101 1N4148
TO CHASISS
DM150. F

HT-DM150 POWER BLOCK CIRCUIT

2002. 04. 15


DVD POWER PCB CIRCUIT
MAIN PCB POWER BLOCK
SINGLE VOLT AREA OPTION
DUAL VOLT AREA OPTION
TO FRONT PCB (BUS_LINE PCB)
TO DVD MECHA
TO DSP PCB
DVD_PROTECTION
-VL
T/SW
THERMAL SWITCH
PW1
PW2
PW3
PW4
CW2
CW3
RCW1
RCW3
PRIC1 7805
PBD1 GBU606
PBD2 KBP202
RBD1 KBP202G
PG1 27805
PG2 78R05
PG4 27833
PG5 78R05
PG7 BA33C25FP
RIC2 KA4558(1/2)
IC3 7812
IC4 7912
IC8 7812
BD2 GBU606
BD3 GBU606
BD4 GBU606
MOTOR +6V
M/GND
ANALOG +5V
A/GND
DIGITAL +5V
D/GND
3.3V DSP
DSP/GND
2.5V DSP
B+ GND
5V DSP
AC
-VP
VFD GND
DVD_3.3V
DVD GND
DVD_5V
DVD_ON
VSA
P-SENSE
POWER-ON
5.6V
GND
FAN M+12V, LED +12V
SIG +12V
A/GND
SIG -12V
+VH
-VH
+VM
-VM
+VL
MAIN GND
ONLY UL/CSA OPTION
OPTION 220V(DELETE) 220V(INSERT)
2.5MM ST

FUSE OPTION

AREA OPTION / LOCATION	110V/120V	220V/230V	110~127V 220~240V
FU1	4A 125V	T2.5AL 250V	T2.5AL 250V
FU2	—	—	T2.5AL 250V
FU3	T160mAL 250V	T80mAL 250V	T80mAL 250V
FU4	—	—	T80mAL 250V

NOTICE

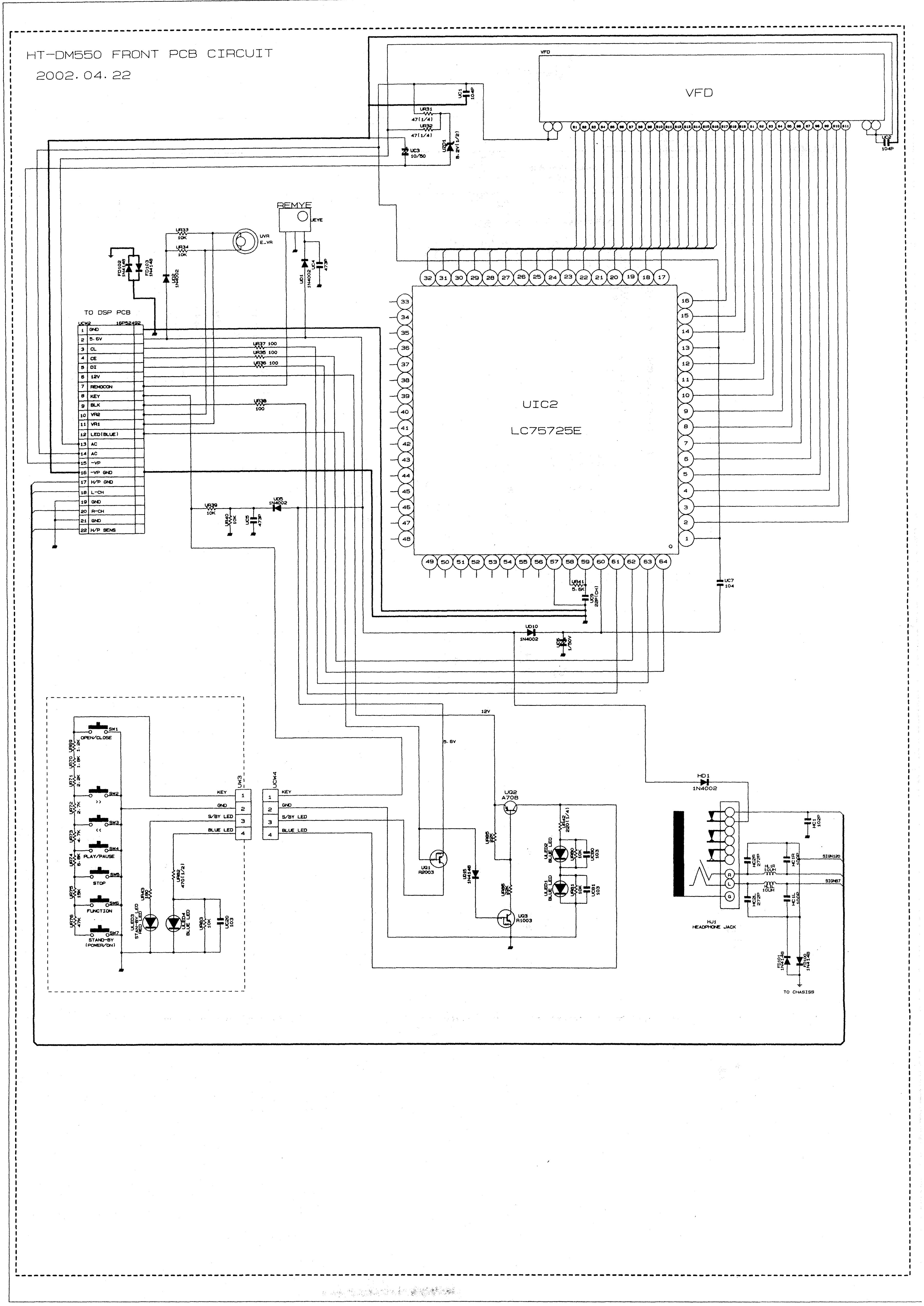
:DIGITAL GND

CHASISS GND

:ANALOG GND

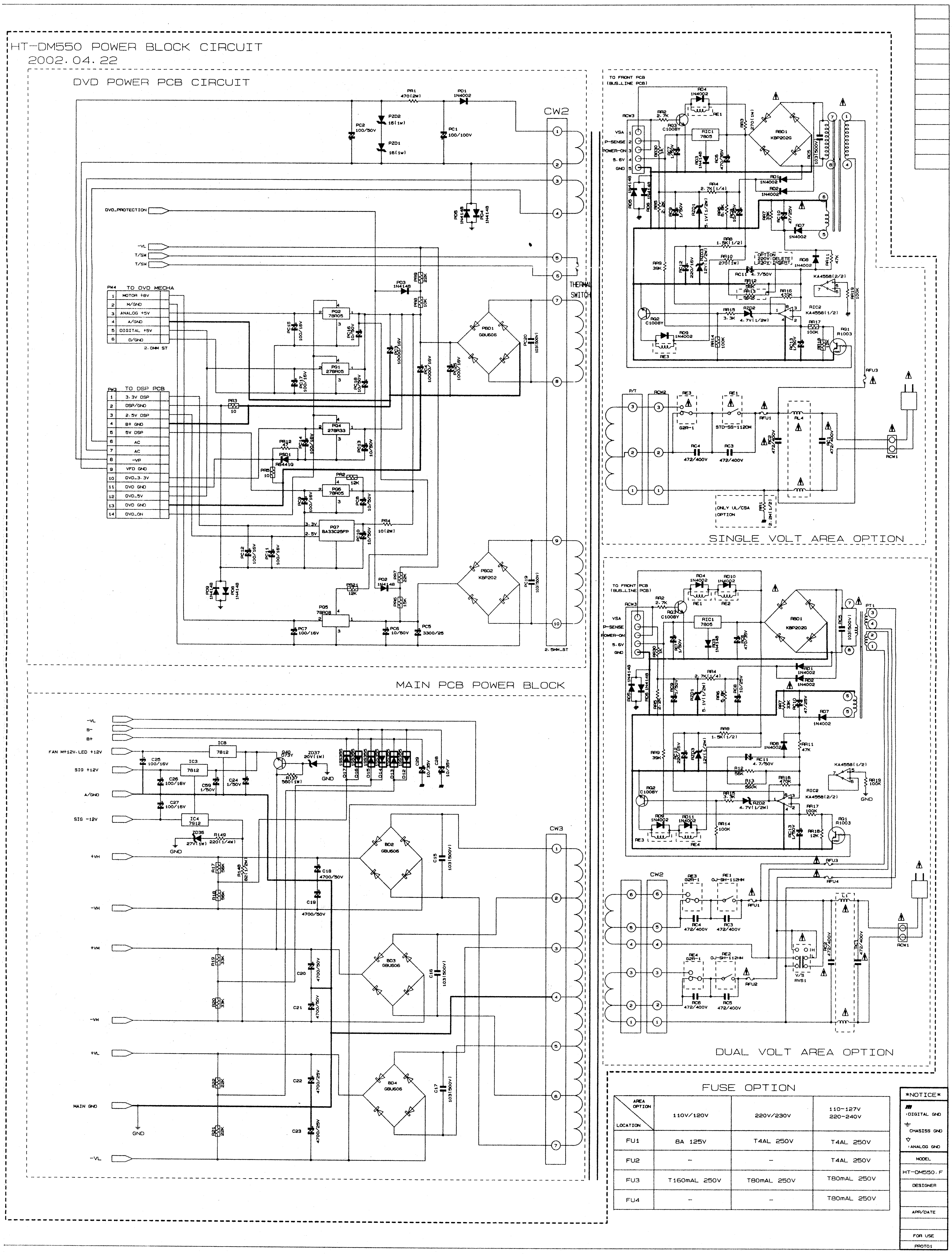
MODEL
HT-DM150.F
DESIGNER
APR/DATE
FOR USE
PROTO1

7-2-2 FRONT & POWER ; HT-DM550


HT-DM550 FRONT PCB CIRCUIT
2002. 04. 22
VFD
UC1 104P
UR31 47(1/4)
UR32 47(1/4)
UC3 10/50
UZD1 8.2V(1/2)
UC2 104P
REMYE
UEYE
UR33 10K
UR34 10K
UVR E_VR
FD102 1N4148
FD103 1N4148
UD2 1N4002
UD1 1N4002
UC4 473P
TO DSP PCB
UCW2 16P52492
1 GND
2 5.6V
3 CL
4 CE
5 DI
6 12V
7 REMOCON
8 KEY
9 BLK
10 VR2
11 VR1
12 LED(BLUE)
13 AC
14 AC
15 -VP
16 -VP GND
17 H/P GND
18 L-CH
19 GND
20 R-CH
21 GND
22 H/P SENS
UR37 100
UR35 100
UR36 100
UR38 100
UR39 10K
UR40 10K
UC5 473P
UD5 1N4002
UIC2
LC75725E
UR41 5.6K
UC9 22P(CH)
UC7 104
UD10 1N4002
UC6 1/50V
12V
5.6V
SW1 OPEN/CLOSE
UR69 1.2K
UR70 1.8K
UR71 2.2K
SW2 ››
UR72 2.7K
SW3 ‹‹
UR73 4.7K
SW4 PLAY/PAUSE
UR74 6.8K
SW5 STOP
UR75 15K
SW6 FUNCTION
UR76 47K
SW7 STAND-BY (POWER/ON)
UR43 180
ULED3 STAN-BY LED RED LED
UR82 470(1/2)
ULED4 BLUE LED
UR83 10K
UC20 103
UW3
UCW4
KEY
GND
S/BY LED
BLUE LED
UQ1 R2003
UQ2 A708
UQ3 R1003
UD15 1N4148
UR85 22K
UR86 22K
UR42 220(1/4)
ULED2 BLUE LED
UR80 10K
UC80 103
ULED1 BLUE LED
UR81 10K
UC81 103
HD1 1N4002
HC1 102P
HC2R 272P
HC1R 100P
HL1R 10UH
HL1L 10UH
HC2L 272P
HC1L 100P
SIGN120
SIGN87
R
L
G
HJ1 HEADPHONE JACK
FD101 1N4148
FD100 1N4148
TO CHASISS

HT-DM550 POWER BLOCK CIRCUIT

2002.04.22


DVD POWER PCB CIRCUIT
CW2
THERMAL SWITCH
DVD_PROTECTION
-VL
T/SW
T/SW
PW4 TO DVD MECHA
MOTOR +6V
M/GND
ANALOG +5V
A/GND
DIGITAL +5V
D/GND
2.0MM ST
PW3 TO DSP PCB
3.3V DSP
DSP/GND
2.5V DSP
B+ GND
5V DSP
AC
AC
-VP
VFD GND
DVD_3.3V
DVD GND
DVD_5V
DVD GND
DVD_ON
PR1 470(2W)
PD1 1N4002
PZD2 16(1W)
PZD1 16(1W)
PC2 100/50V
PC1 100/100V
PG2 78R05
PG1 27BR05
PG4 27BR33
PG6 78R05
PG7 BA33C25FP
PG5 78R08
PBD1 GBU606
PBD2 KBP202
PC20 103(500V)
PC19 103(500V)
PC5 3300/25
2.5MM_ST
MAIN PCB POWER BLOCK
-VL
B-
B+
FAN M+12V, LED +12V
SIG +12V
A/GND
SIG -12V
+VH
-VH
+VM
-VM
+VL
MAIN GND
GND
-VL
IC8 7812
IC3 7812
IC4 7912
Q40 D73Y
ZD37 20V(1W)
ZD36 27V(1W)
CW3
BD2 GBU606
BD3 GBU606
BD4 GBU606
C18 4700/50V
C19 4700/50V
C20 4700/50V
C21 4700/50V
C22 4700/25V
C23 4700/25V
C15 103(500V)
C16 103(500V)
C17 103(500V)
TO FRONT PCB (BUS_LINE PCB)
RCW3
VSA
P-SENSE
POWER-ON
5.6V
GND
RIC1 7805
RBD1 KBP202G
RIC2 KA4558(1/2)
KA4558(2/2)
RQ1 R1003
RQ2 C1008Y
RQ3 C1008Y
OPTION 220V: DELETE 230V: INSERT
P/T
RCW2
RE3 G2R-1
RE1 STD-SS-112DM
RFU1
RFU3
RL4
RC4 472/400V
RC3 472/400V
RC2 472/400V
RC1 472/400V
RCW1
ONLY UL/CSA OPTION
RR1 2.2M(1/2)
SINGLE VOLT AREA OPTION
PT1
CW2
RE3 G2R-1
RE1 OJ-SH-112HM
RE4 G2R-1
RE2 OJ-SH-112HM
RFU1
RFU2
RFU3
RFU4
V/S RVS1
RC6 472/400V
RC5 472/400V
DUAL VOLT AREA OPTION
FUSE OPTION

FUSE OPTION

AREA OPTION LOCATION	110V/120V	220V/230V	110-127V 220-240V
FU1	8A 125V	T4AL 250V	T4AL 250V
FU2	–	–	T4AL 250V
FU3	T160mAL 250V	T80mAL 250V	T80mAL 250V
FU4	–	–	T80mAL 250V

NOTICE

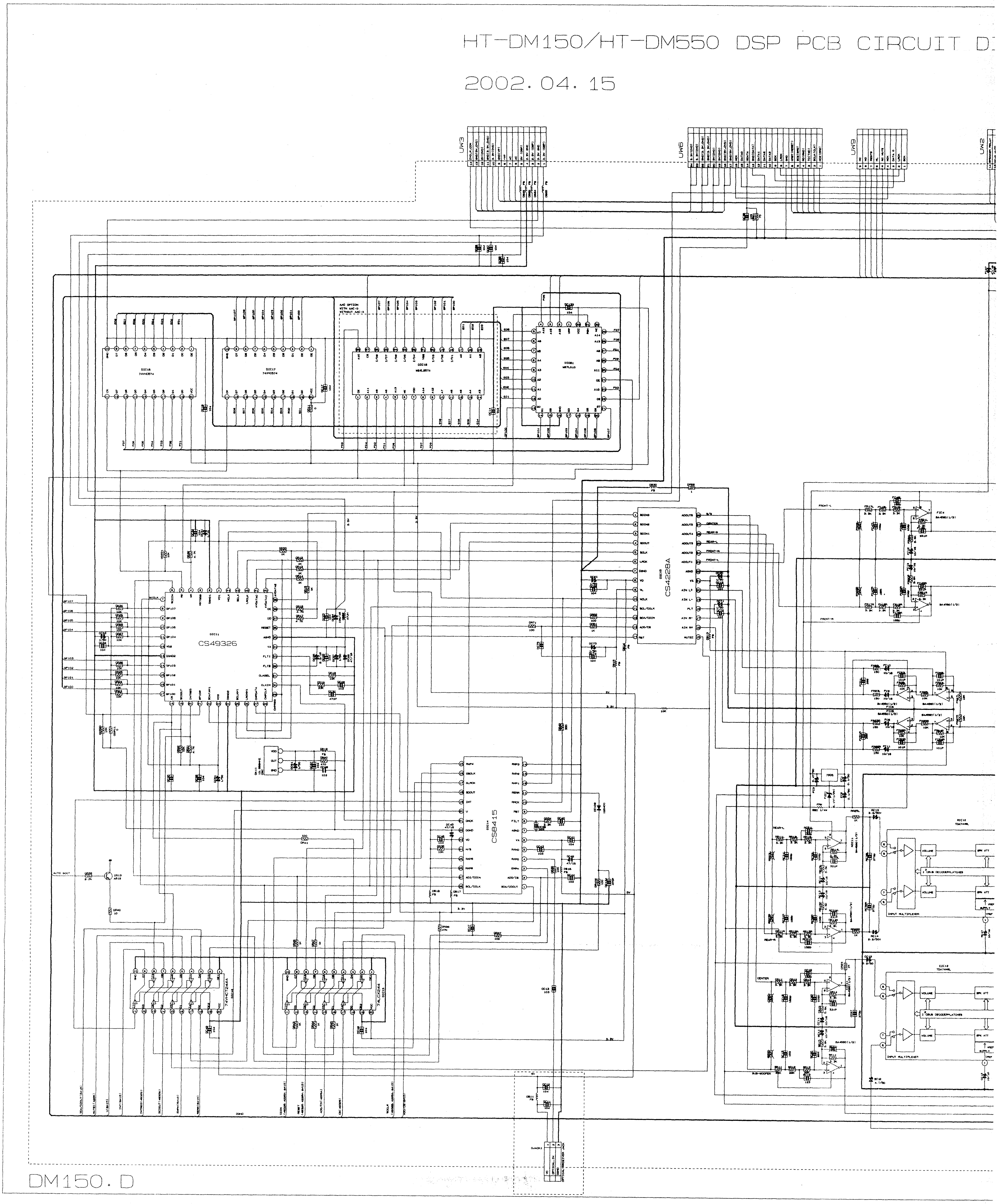
:DIGITAL GND

CHASISS GND

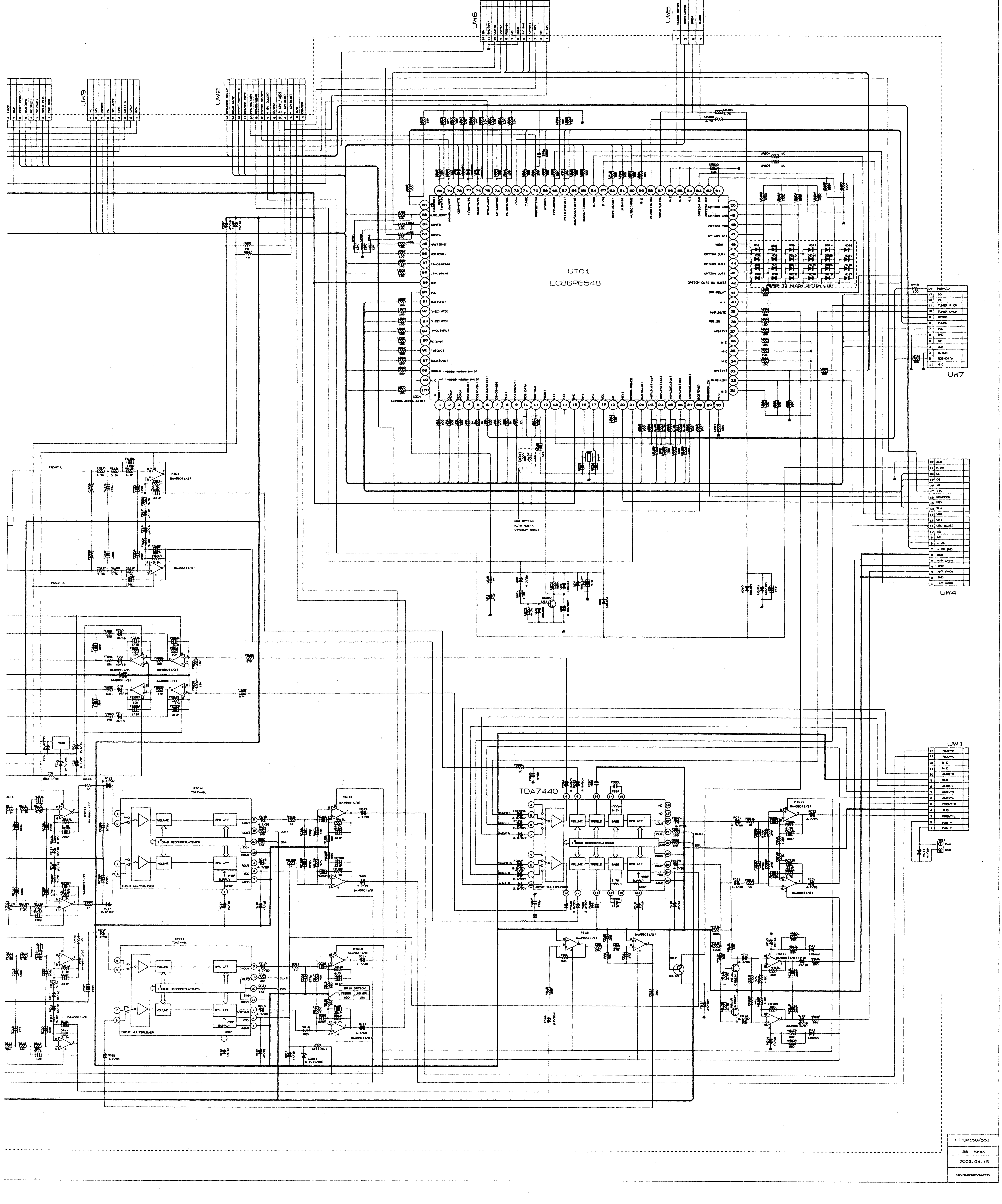
:ANALOG GND

MODEL
HT-DM550.F
DESIGNER
APR/DATE
FOR USE
PROTO1

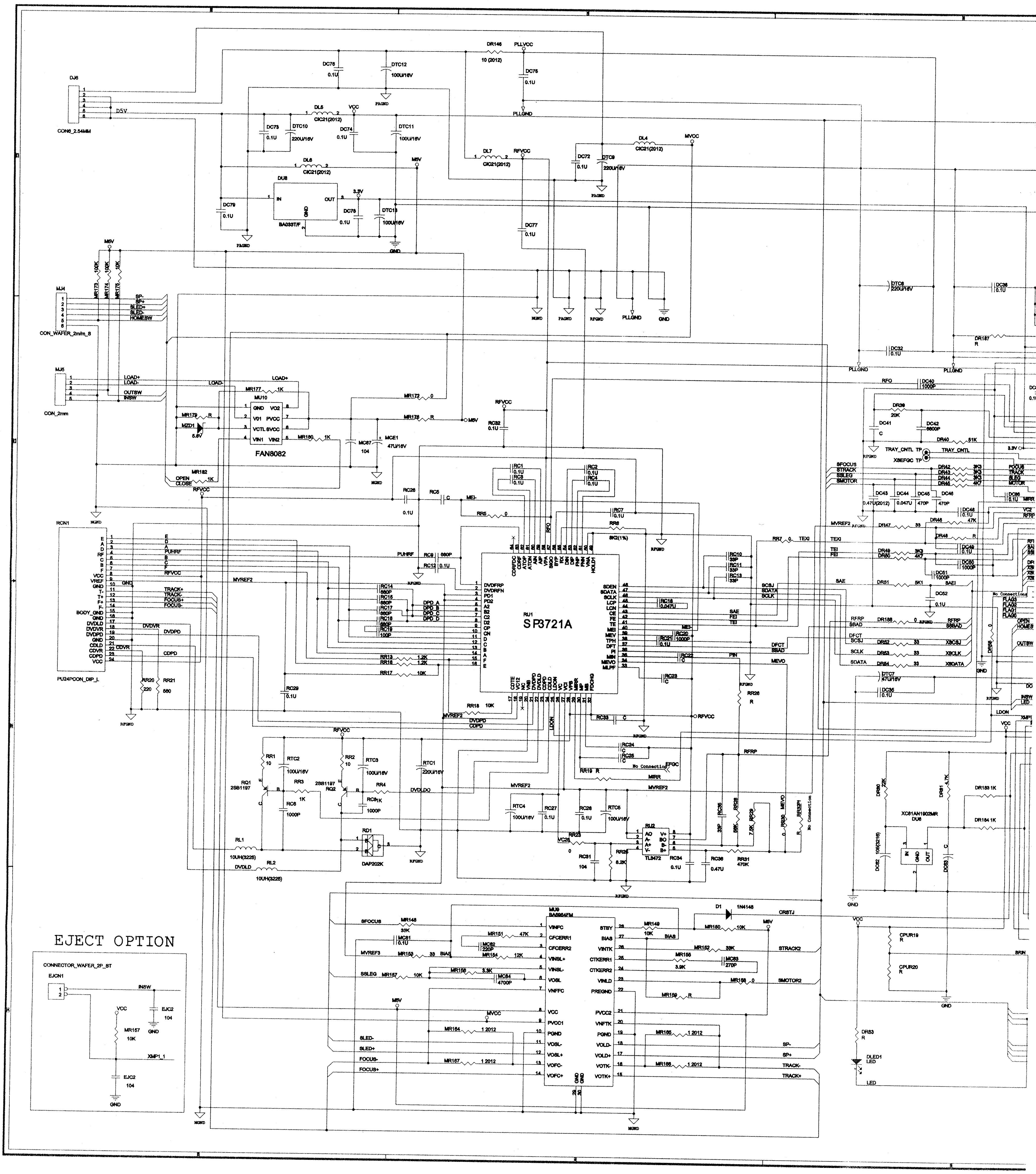
7-3 DSP


HT-DM150/HT-DM550 DSP PCB CIRCUIT DI
2002. 04. 15
UW3
UW6
UW9
UW2
CS49326
CS4228A
CS8415
DM150. D

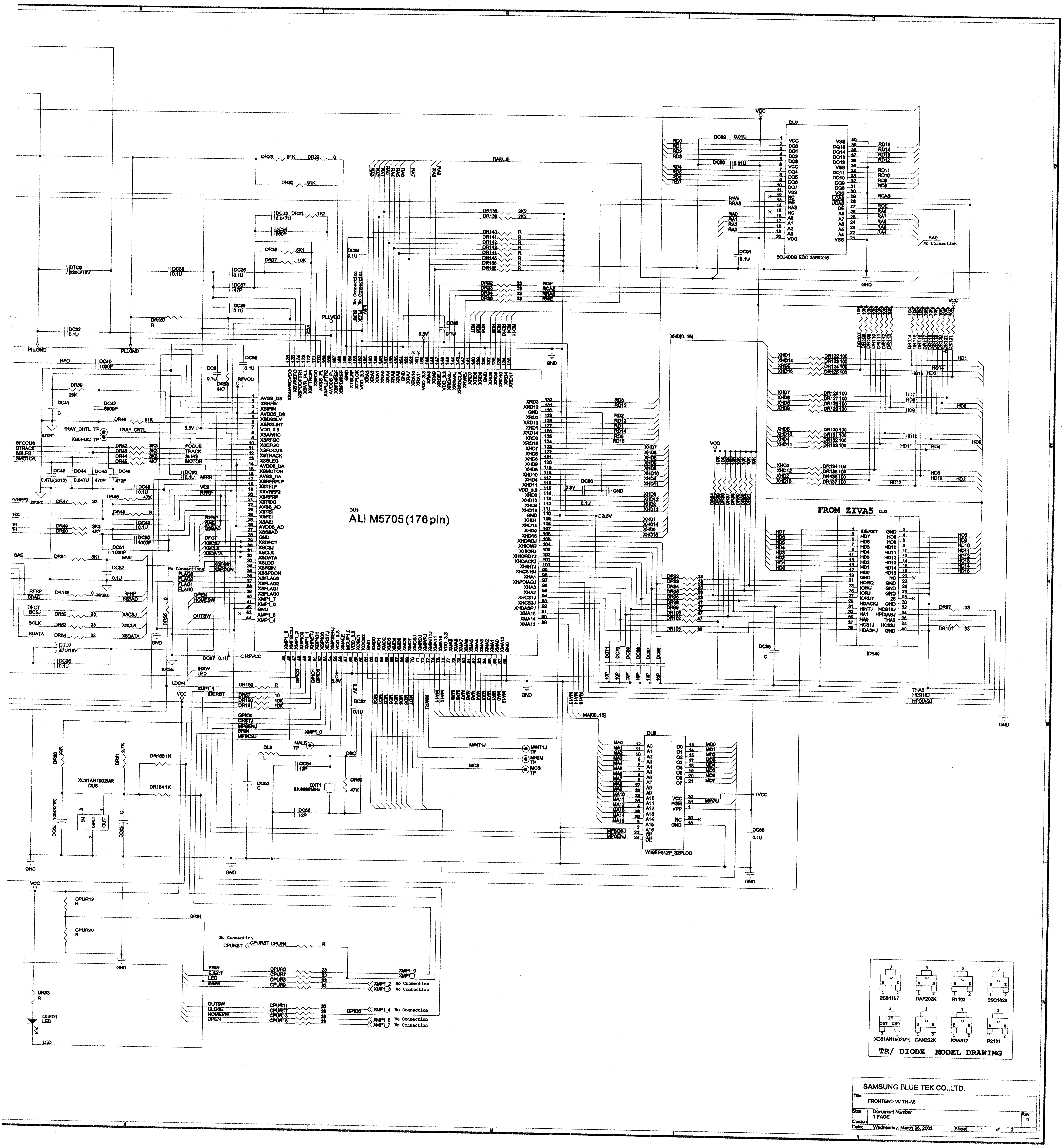
PCB CIRCUIT DIAGRAM


UW6
UW5
UW9
UW2
UIC1
LC86P6548
UW7
UW4
UW1
TDA7440
HT-DM150/550
SS .KWAK
2002.04.15
R&D/INSPECT/SAFETY

7-4 DVD Frontend parts

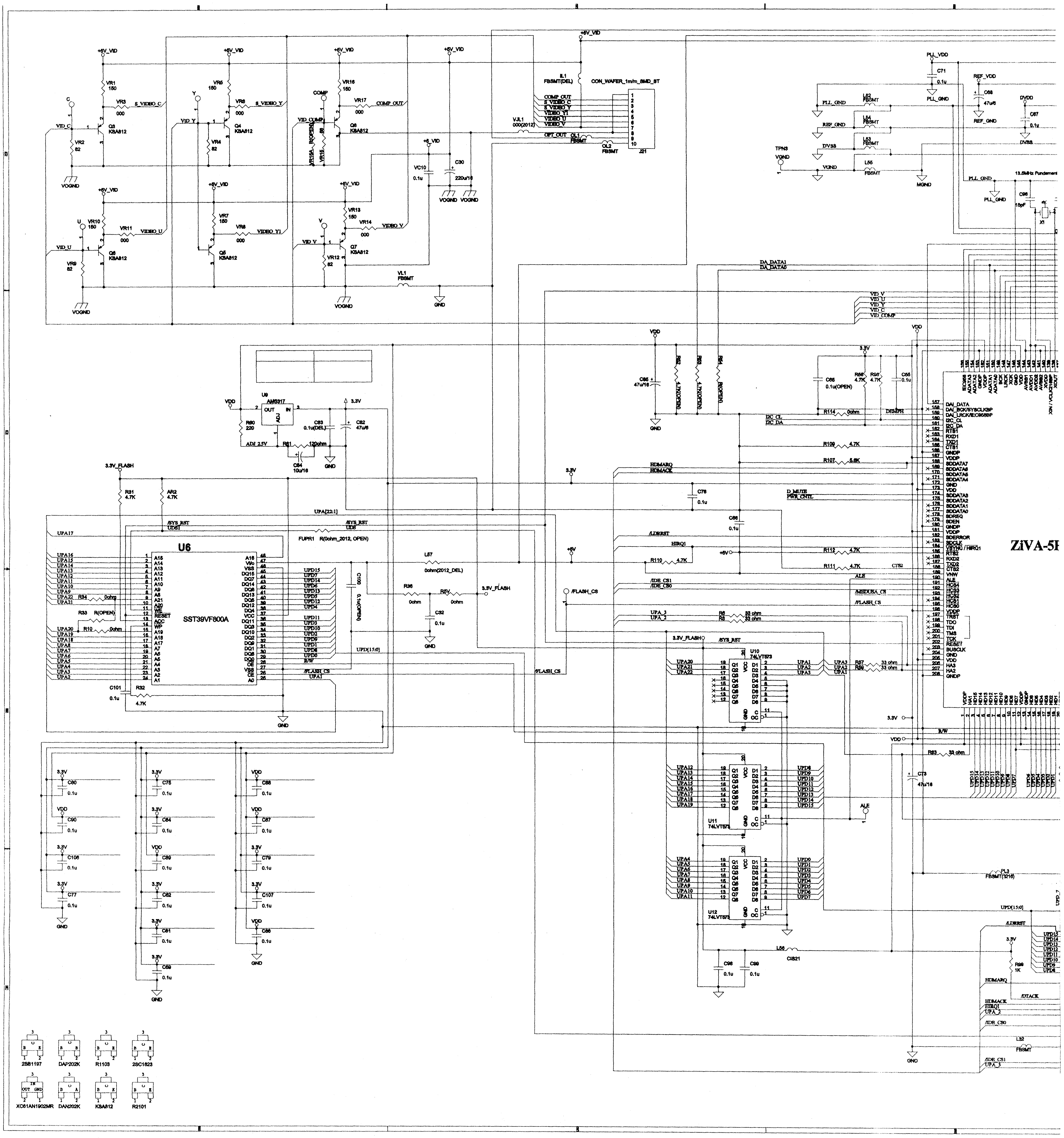


DJ6
CON6_2.54MM
D5V
DL5
CIC21(2012)
DL6
DL7
DL4
DR146
PLLVCC
PLLGND
MVCC
RFVCC
M5V
3.3V
DU8
BA033T/F
MJ4
SP-
SP+
SLED+
SLED-
HOMESW
CON_WAFER_2m/m_6
MJ5
LOAD+
LOAD-
OUTSW
INSW
CON_2mm
MU10
FAN8082
OPEN
CLOSE
RCN1
PU24PCON_DIP_L
RU1
SP3721A
RQ1
2SB1197
RQ2
RD1
DAP202K
RL1
RL2
10UH(3225)
RU2
TL3472
MU9
BA5954FM
D1
1N4148
SFOCUS
STRACK
SSLEG
SMOTOR
MVREF2
MVREF3
FOCUS-
FOCUS+
TRACK-
TRACK+
XC61AN1902MR
DU6
DLED1
LED
EJECT OPTION
CONNECTOR_WAFER_2P_ST
EJCN1
XMP1_1
MGND
PAGND
RFGND
GND

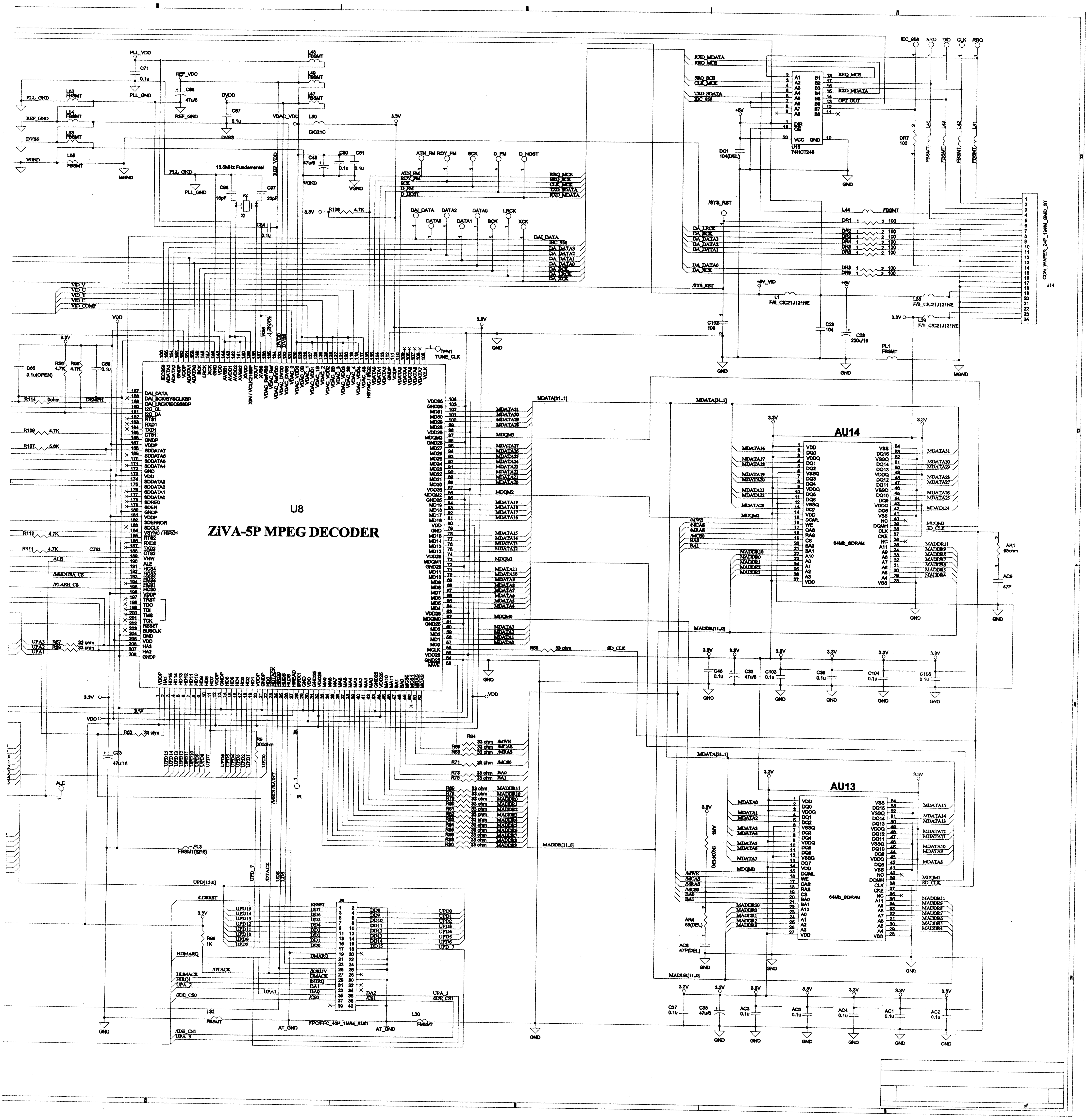

ALi M5705 (176 pin)
DU3
DU7
SOJ40DS EDO 256KX16
DU5
W29EE512P_32PLCC
FROM ZIVA5
DJ3
IDE40
DU6
XC61AN1902MR
DXT1
33.8688MHz
DLED1
LED
VCC
GND
PLLGND
PLLVCC
RFVCC
3.3V
No Connection
TR/ DIODE MODEL DRAWING
2SB1197
DAP202K
R1103
2SC1623
XC61AN1902MR
DAN202K
KSA812
R2101
IN
OUT
GND
B
C
E
A

SAMSUNG BLUE TEK CO.,LTD.		
Title	FRONTEND VV TH-A5	
Size Custom	Document Number 1 PAGE	Rev 0
Date:	Wednesday, March 06, 2002	Sheet 1 of 2

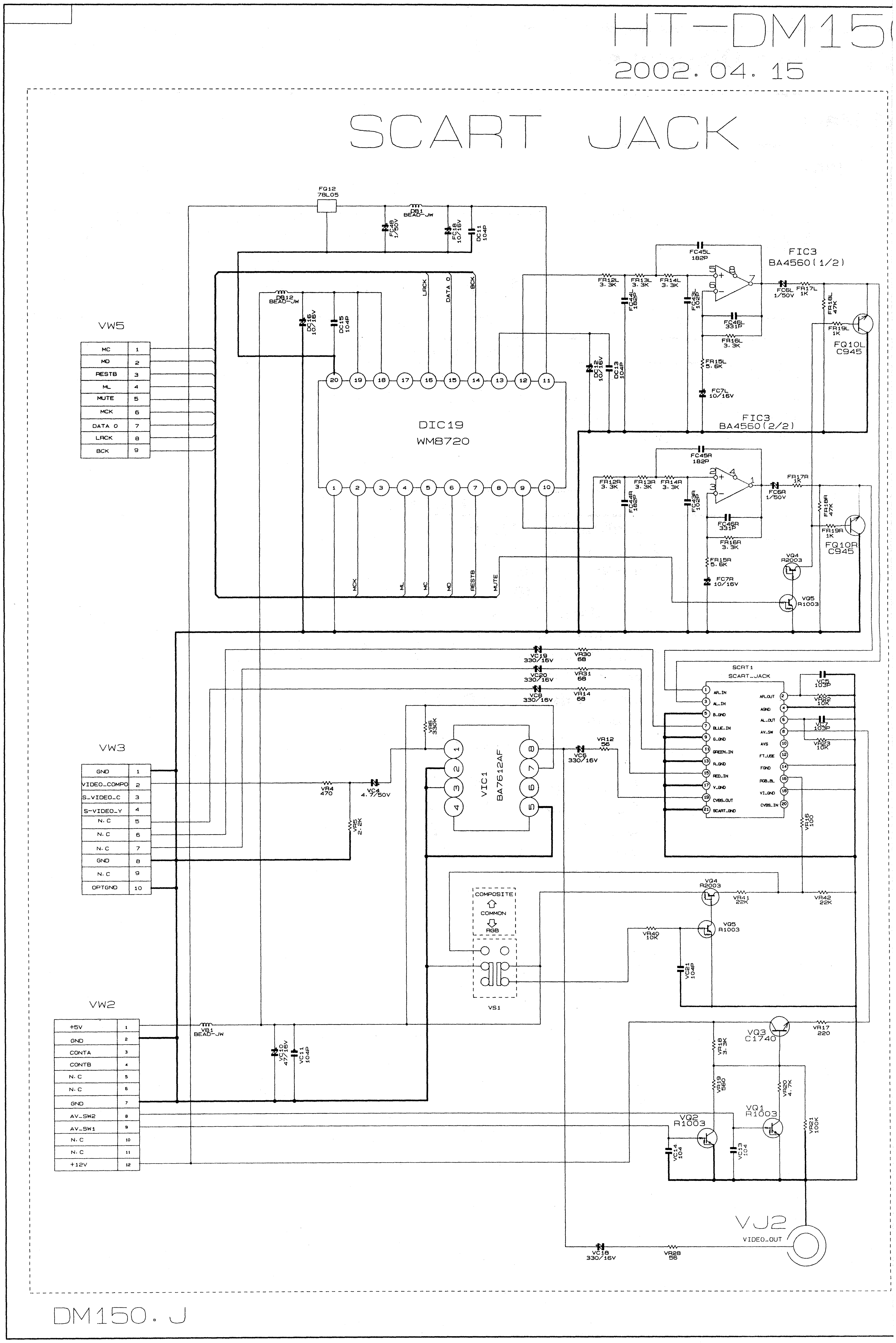
7-5 DVD Backend Parts



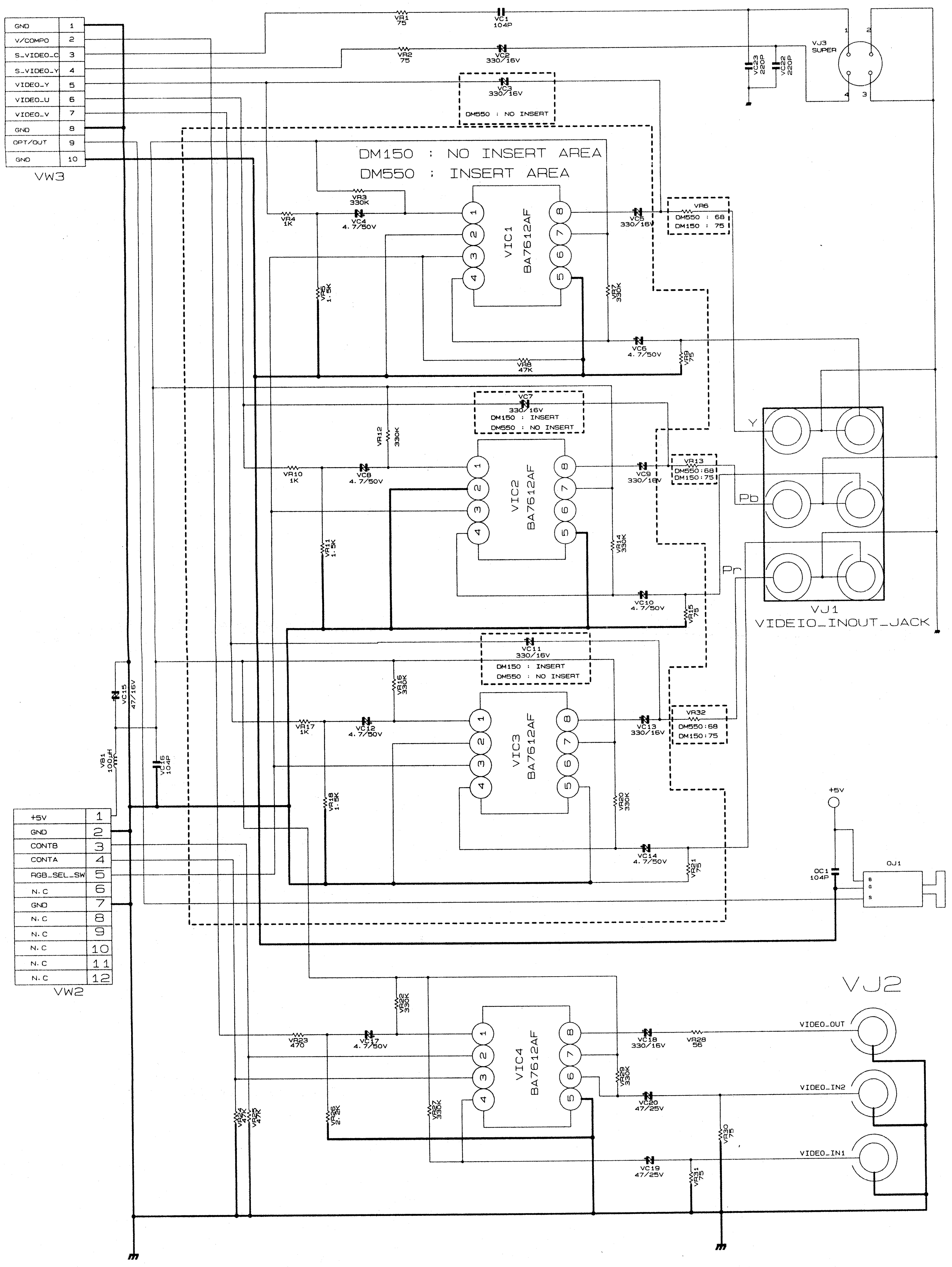
+5V_VID
VR1 150
VR3 000
S_VIDEO_C
Q3 KSA812
VR2 82
VOGND
VR5 150
VR6 000
S_VIDEO_Y
Q4 KSA812
VR4 82
VR16 150
VR17 000
COMP_OUT
Q8 KSA812
VR10 150
VR11 000
VIDEO_U
Q6 KSA812
VR9 82
VR7 150
VR8 000
VIDEO_Y1
Q5 KSA812
VR13 150
VR14 000
VIDEO_V
Q7 KSA812
VR12 82
VL1 FBSMT
GND
VC10 0.1u
C30 220u/16
IL1 FBSMT(DEL)
CON_WAFER_1m/m_SMD_ST
J21
VJL1 000(2012)
OPT_OUT
OL1 FBSMT
OL2 FBSMT
U9 AMS317
R60 220
R61 120ohm
C63 0.1u(DEL)
C62 47u/6
C64 10u/16
ADJ_2.5V
3.3V
VDD
3.3V_FLASH
R31 4.7K
AR2 4.7K
U6
SST39VF800A
/SYS_RST
UDS1
UPA[22:1]
FUPR1 R(0ohm_2012, OPEN)
L57 0ohm(2012_DEL)
R36 0ohm
R5V 0ohm
C32 0.1u
C101 0.1u
R32 4.7K
R34 0ohm
R33 R(OPEN)
R10 0ohm
UPD[15:0]
/FLASH_CS
U10 74LVT573
U11 74LVT573
U12 74LVT573
L56 CIS21
C98 0.1u
C99 0.1u
C85 47u/16
R82 4.7K(OPEN)
R83 4.7K(OPEN)
R84 R(OPEN)
C65 0.1u(OPEN)
C66 0.1u
R114 0ohm
I2C_CL
I2C_DA
R109 4.7K
R107 5.6K
HDMARQ
HDMACK
C78 0.1u
D_MUTE
PWR_CNTL
C86 0.1u
/LDRRST
HIRQ1
R110 4.7K
R112 4.7K
R111 4.7K
/IDE_CS1
/IDE_CS0
UPA_3
UPA_2
R6 33 ohm
R8 33 ohm
R57 33 ohm
R58 33 ohm
DA_DATA1
DA_DATA0
VID_V
VID_U
VID_Y
VID_C
VID_COMP
PLL_VDD
C71 0.1u
PLL_GND
REF_VDD
C68 47u/6
DVDD
C67 0.1u
L62 FBSMT
L64 FBSMT
L63 FBSMT
L55 FBSMT
TPN3 VGND
MGND
DVSS
REF_GND
13.5MHz Fundament
C96 15pF
X1
ZiVA-5
C73 47u/16
R63 33 ohm
PL3 FBSMT(3216)
R99 1K
/DTACK
L32 FBSMT
C80 0.1u
C90 0.1u
C106 0.1u
C77 0.1u
C75 0.1u
C84 0.1u
C89 0.1u
C82 0.1u
C81 0.1u
C59 0.1u
C88 0.1u
C87 0.1u
C79 0.1u
C107 0.1u
C86 0.1u
2SB1197
DAP202K
R1103
2SC1623
XC61AN1902MR
DAN202K
KSA812
R2101


U8
ZiVA-5P MPEG DECODER
AU14
AU13
64Mb_SDRAM
U15
74HCT245
J14
CON_WAFER_24P_1MM_SMD_ST
13.5MHz Fundamental
X1
TPH1
TUNE_CLK
FPC/FFC_40P_1MM_SMD
MDATA[31..1]
MADDR[11..0]
UPD[15:0]
PLL_VDD
REF_VDD
DVDD
VDAC_VDD
3.3V
+5V
GND
MGND
AT_GND

7-6 JACK (SCART, RCA) ; HT-DM150/550


HT-DM15
2002. 04. 15
SCART JACK
FQ12
78L05
DB1
BEAD-JW
FC48
1/50V
FC18
10/16V
DC11
104P
DB12
BEAD-JW
DC16
10/16V
DC15
104P
LRCK
DATA 0
BCK
VW5
MC
MD
RESTB
ML
MUTE
MCK
DATA 0
LRCK
BCK
DIC19
WM8720
MCK
ML
MC
MD
RESTB
MUTE
DC12
10/16V
DC13
104P
FIC3
BA4560(1/2)
FIC3
BA4560(2/2)
FC45L
182P
FR12L
3.3K
FR13L
3.3K
FR14L
3.3K
FC44L
182P
FC43L
102P
FC46L
331P
FR16L
3.3K
FR15L
5.6K
FC7L
10/16V
FC6L
1/50V
FR17L
1K
FR18L
47K
FR19L
1K
FQ10L
C945
FC45R
182P
FR12R
3.3K
FR13R
3.3K
FR14R
3.3K
FC44R
182P
FC43R
102P
FC46R
331P
FR16R
3.3K
FR15R
5.6K
FC7R
10/16V
FC6R
1/50V
FR17R
1K
FR18R
47K
FR19R
1K
FQ10R
C945
VQ4
R2003
VQ5
R1003
VC19
330/16V
VR30
68
VC20
330/16V
VR31
68
VC8
330/16V
VR14
68
SCRT1
SCART_JACK
AR_IN
AL_IN
B_GND
BLUE_IN
G_GND
GREEN_IN
R_GND
RED_IN
Y_GND
CVBS_OUT
SCART_GND
AR_OUT
AGND
AL_OUT
AV_SW
AVS
FT_USE
FGND
RGB_BL
VI_GND
CVBS_IN
VC5
103P
VR22
10K
VC7
103P
VR23
10K
VR16
100
VW3
GND
VIDEO_COMPO
S_VIDEO_C
S-VIDEO_Y
N.C
N.C
N.C
GND
N.C
OPTGND
VR6
330K
VR4
470
VC4
4.7/50V
VR5
2.2K
VIC1
BA7612AF
VR12
56
VC6
330/16V
COMPOSITE
COMMON
RGB
VS1
VQ4
R2003
VR41
22K
VR42
22K
VQ5
R1003
VR40
10K
VC21
104P
VW2
+5V
GND
CONTA
CONTB
N.C
N.C
GND
AV_SW2
AV_SW1
N.C
N.C
+12V
VB1
BEAD-JW
VC10
47/16V
VC11
104P
VQ3
C1740
VR17
220
VR18
3.3K
VR19
560
VR20
4.7K
VQ1
R1003
VQ2
R1003
VR21
100K
VC14
104
VC13
104
VJ2
VIDEO_OUT
VC18
330/16V
VR28
56
DM150.J

RCA JACK


GND 1
V/COMPO 2
S_VIDEO_C 3
S_VIDEO_Y 4
VIDEO_Y 5
VIDEO_U 6
VIDEO_V 7
GND 8
OPT/OUT 9
GND 10
VW3
VR1 75
VC1 104P
VR2 75
VC2 330/16V
VC3 330/16V
DM550 : NO INSERT
VC23 220P
VC22 220P
VJ3 SUPER
DM150 : NO INSERT AREA
DM550 : INSERT AREA
VR3 330K
VR4 1K
VC4 4.7/50V
VIC1 BA7612AF
VC5 330/16V
VR6
DM550 : 68
DM150 : 75
VR5 1.5K
VR7 330K
VC6 4.7/50V
VR8 47K
VR9 75
VC7 330/16V
DM150 : INSERT
DM550 : NO INSERT
VR12 330K
VR10 1K
VC8 4.7/50V
VIC2 BA7612AF
VC9 330/16V
VR13
DM550:68
DM150:75
VR11 1.5K
VR14 330K
VC10 4.7/50V
VR15 75
Y
Pb
Pr
VJ1
VIDEIO_INOUT_JACK
VC11 330/16V
DM150 : INSERT
DM550 : NO INSERT
VR16 330K
VR17 1K
VC12 4.7/50V
VIC3 BA7612AF
VC13 330/16V
VR32
DM550:68
DM150:75
VR18 1.5K
VR20 330K
VC14 4.7/50V
VR21 75
VC15 47/16V
VB1 100μH
VC16 104P
+5V
OC1 104P
OJ1
+5V 1
GND 2
CONTB 3
CONTA 4
RGB_SEL_SW 5
N.C 6
GND 7
N.C 8
N.C 9
N.C 10
N.C 11
N.C 12
VW2
VJ2
VR22 330K
VR23 470
VC17 4.7/50V
VIC4 BA7612AF
VC18 330/16V
VR28 56
VIDEO_OUT
VR29 330K
VC20 47/25V
VIDEO_IN2
VR24 47K
VR25 47K
VR26 2.2K
VR27 330K
VR30 75
VC19 47/25V
VR31 75
VIDEO_IN1

HT-DM150/550. J
S. S. KWAK
2002. 04. 15

8. IC Block Diagrams

8-1 Main

1. AK4355

AKM **AK4355**

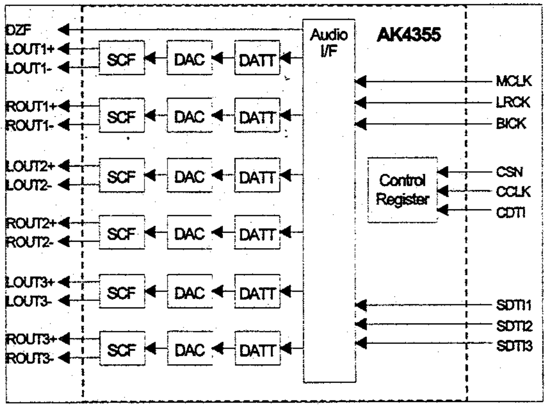
192kHz 24-Bit 6ch DAC for DVD-Audio

GENERAL DESCRIPTION

The AK4355 offers the perfect mix for cost and performance based multi-channel audio systems. AKM's advanced multi-bit architecture delivers a wide dynamic range and low outband noise. The AK4355 has full differential SCF outputs, removing the need for AC coupling capacitors and increasing performance for systems with excessive clock jitter. The 24 Bit word length and 192kHz sampling rate make this part ideal for a wide range of application including DVD-Audio.

FEATURES

Sampling Rate: 8kHz to 192kHz
24Bit 8 times Digital Filter with Slow roll-off option
THD+N: -90dB
DR, S/N: 106dB
High Tolerance to Clock Jitter
Low Distortion Differential Output
Digital De-emphasis for 32, 44.1 & 48kHz sampling
Zero Detect Pin
Channel Independent Digital Attenuator with soft-transition
Soft Mute
I/F format: 24-Bit MSB justified, 24/20/16-Bit LSB justified or I²S
Master Clock
  Normal Speed: 256fs, 384fs, 512fs or 768fs
  Double Speed: 128fs, 192fs, 256fs or 384fs
  Quad Speed: 128fs, 192fs
Power Supply: 4.75 to 5.25V
28pin VSOP Package


DZF
LOUT1+
LOUT1-
ROUT1+
ROUT1-
LOUT2+
LOUT2-
ROUT2+
ROUT2-
LOUT3+
LOUT3-
ROUT3+
ROUT3-
SCF
DAC
DATT
Audio I/F
AK4355
MCLK
LRCK
BICK
Control Register
CSN
CCLK
CDTI
SDTI1
SDTI2
SDTI3

---

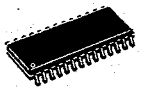
2. TDA7440D

TONE CONTROL DIGITALLY CONTROLLED AUDIO PROCESSOR

- INPUT MULTIPLEXER
  - 4 STEREO INPUTS
  - SELECTABLE INPUT GAIN FOR OPTIMAL ADAPTATION TO DIFFERENT SOURCES
- ONE STEREO OUTPUT
- TREBLE AND BASS CONTROL IN 2.0dB STEPS
- VOLUME CONTROL IN 1.0dB STEPS
- TWO SPEAKER ATTENUATORS:
  - TWO INDEPENDENT SPEAKER CONTROL IN 1.0dB STEPS FOR BALANCE FACILITY
  - INDEPENDENT MUTE FUNCTION
- ALL FUNCTION ARE PROGRAMMABLE VIA SERIAL BUS

DESCRIPTION

The TDA7440D is a volume tone (bass and treble) balance (Left/Right) processor for quality audio applications in Hi-Fi systems.



SO28

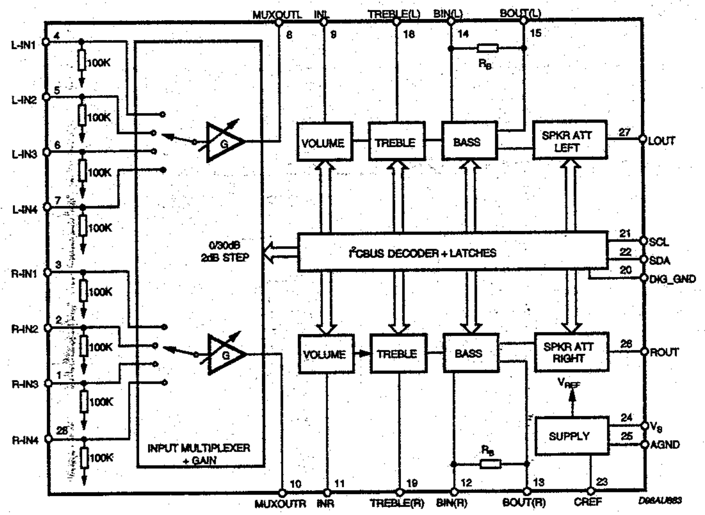
ORDERING NUMBER: TDA7440D

Selectable input gain is provided. Control of all the functions is accomplished by serial bus.

The AC signal setting is obtained by resistor networks and switches combined with operational amplifiers.

Thanks to the used BIPOLAR/CMOS Technology, Low Distortion, Low Noise and DC stepping are obtained

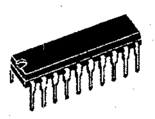
BLOCK DIAGRAM


MUXOUTL
INL
TREBLE(L)
BIN(L)
BOUT(L)
8
9
18
14
15
RB
L-IN1
4
L-IN2
5
L-IN3
6
L-IN4
7
R-IN1
3
R-IN2
2
R-IN3
1
R-IN4
28
100K
G
VOLUME
TREBLE
BASS
SPKR ATT LEFT
27
LOUT
0/30dB 2dB STEP
I²CBUS DECODER + LATCHES
21
SCL
22
SDA
20
DIG_GND
SPKR ATT RIGHT
26
ROUT
VREF
SUPPLY
24
VS
25
AGND
INPUT MULTIPLEXER + GAIN
10
11
19
12
13
23
MUXOUTR
INR
TREBLE(R)
BIN(R)
BOUT(R)
CREF
D98AU883

3. TDA7449L

LOW COST
DIGITALLY CONTROLLED AUDIO PROCESSOR

- INPUT MULTIPLEXER
  - 2 STEREO INPUTS
  - SELECTABLE INPUT GAIN FOR OPTIMAL ADAPTATION TO DIFFERENT SOURCES
- ONE STEREO OUTPUT
- VOLUME CONTROL IN 1.0dB STEPS
- TWO SPEAKER ATTENUATORS:
  - TWO INDEPENDENT SPEAKER CONTROL IN 1.0dB STEPS FOR BALANCE FACILITY
  - INDEPENDENT MUTE FUNCTION
- ALL FUNCTION ARE PROGRAMMABLE VIA SERIAL BUS



DIP20

ORDERING NUMBER: TDA7449L

DESCRIPTION

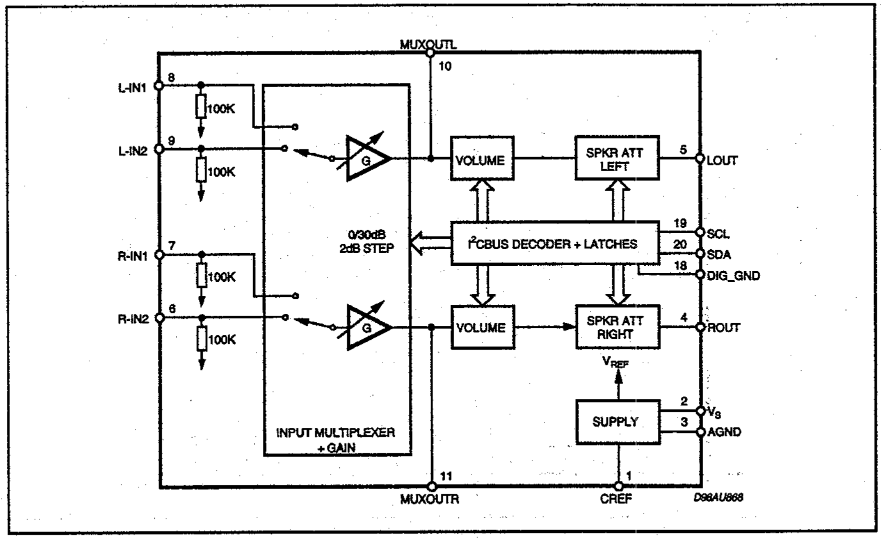
The TDA7449L is a volume control and balance (Left/Right) processor for quality audio applications in TV systems.

Selectable input gain is provided. Control of all the functions is accomplished by serial bus.

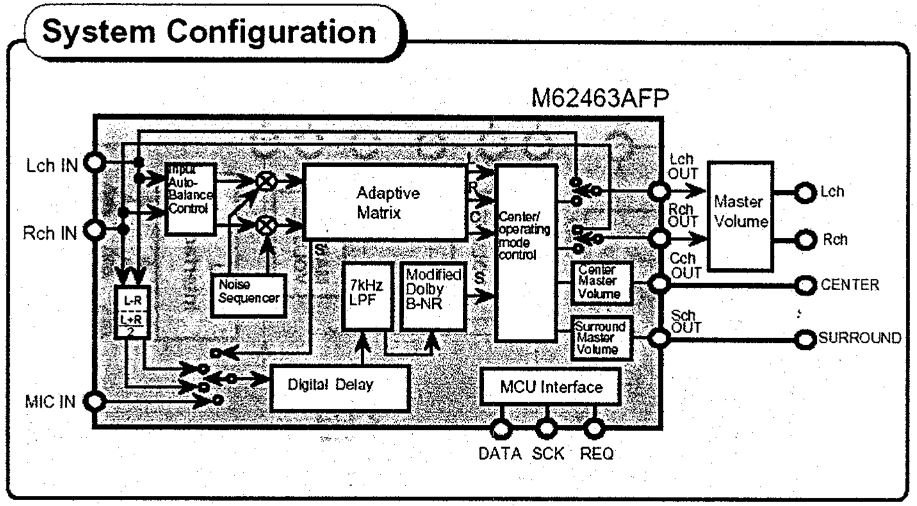
The AC signal setting is obtained by resistor networks and switches combined with operational amplifiers.

Thanks to the used BIPOLAR/CMOS Technology, Low Distortion, Low Noise and DC stepping are obtained.

BLOCK DIAGRAM

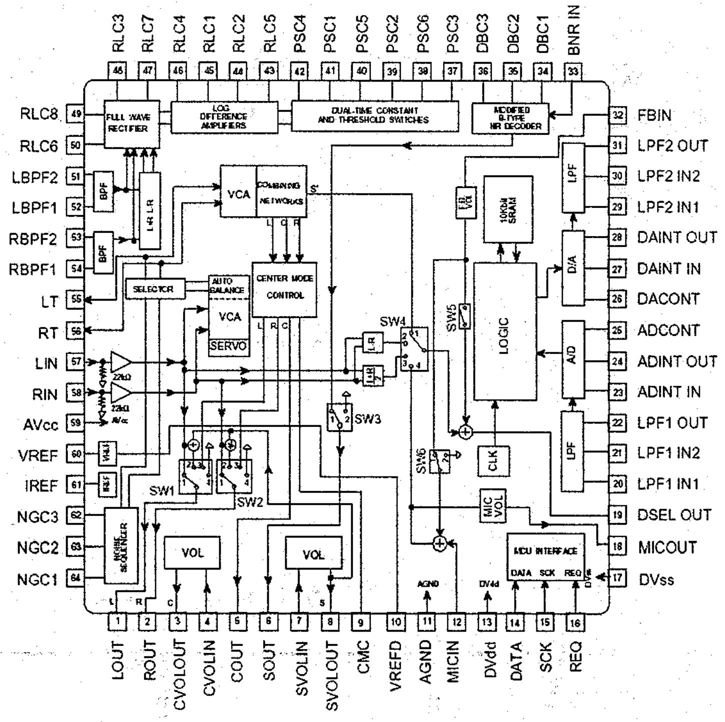

MUXOUTL
10
L-IN1
8
100K
L-IN2
9
100K
R-IN1
7
100K
R-IN2
6
100K
G
G
0/30dB
2dB STEP
VOLUME
SPKR ATT
LEFT
5
LOUT
I²CBUS DECODER + LATCHES
19
SCL
20
SDA
18
DIG_GND
VOLUME
SPKR ATT
RIGHT
4
ROUT
VREF
SUPPLY
2
VS
3
AGND
INPUT MULTIPLEXER
+ GAIN
11
MUXOUTR
1
CREF
D98AU868

4. M62463AFP

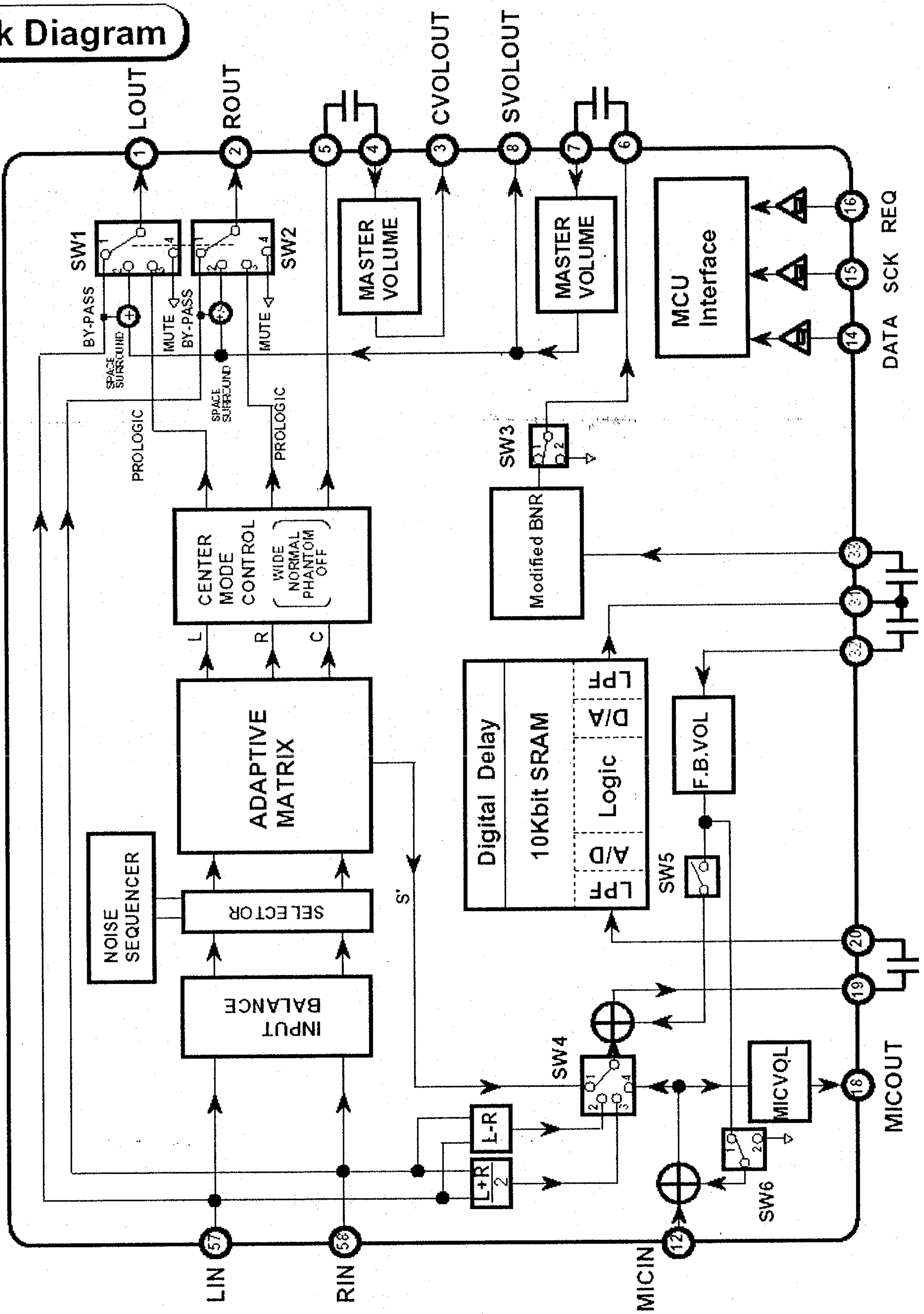


System Configuration

M62463AFP
Lch IN
Rch IN
MIC IN
Input Auto-Balance Control
Noise Sequencer
Adaptive Matrix
L
C
R
S
7kHz LPF
Modified Dolby B-NR
S
Center/ operating mode control
Center Master Volume
Surround Master Volume
L-R
L+R/2
Digital Delay
MCU Interface
Lch OUT
Rch OUT
Cch OUT
Sch OUT
Master Volume
Lch
Rch
CENTER
SURROUND
DATA
SCK
REQ


RLC3 48
RLC7 47
RLC4 46
RLC1 45
RLC2 44
RLC5 43
PSC4 42
PSC1 41
PSC5 40
PSC2 39
PSC6 38
PSC3 37
DBC3 36
DBC2 35
DBC1 34
BNR IN 33
32 FBIN
31 LPF2 OUT
30 LPF2 IN2
29 LPF2 IN1
28 DAINT OUT
27 DAINT IN
26 DACONT
25 ADCONT
24 ADINT OUT
23 ADINT IN
22 LPF1 OUT
21 LPF1 IN2
20 LPF1 IN1
19 DSEL OUT
18 MICOUT
17 DVss
RLC8 49
RLC6 50
LBPF2 51
LBPF1 52
RBPF2 53
RBPF1 54
LT 55
RT 56
LIN 57
RIN 58
AVcc 59
VREF 60
IREF 61
NGC3 62
NGC2 63
NGC1 64
1 LOUT
2 ROUT
3 CVOLOUT
4 CVOLIN
5 COUT
6 SOUT
7 SVOLIN
8 SVOLOUT
9 CMC
10 VREFD
11 AGND
12 MICIN
13 DVdd
14 DATA
15 SCK
16 REQ
FULL WAVE RECTIFIER
LOG DIFFERENCE AMPLIFIERS
DUAL-TIME CONSTANT AND THRESHOLD SWITCHES
MODIFIED B-TYPE NR DECODER
BPF
BPF
L+R L-R
VCA
COMBINING NETWORKS
S'
L C R
SELECTOR
AUTO BALANCE
VCA
SERVO
CENTER MODE CONTROL
L R C
SW1
SW2
SW3
SW4
SW5
SW6
LOGIC
CLK
MIC VOL
LPF
D/A
A/D
LPF
22kΩ
22kΩ
AVcc
VREF
IREF
NOISE SEQUENCER
VOL
VOL
MCU INTERFACE
DATA SCK REQ
AGND
DVdd
L
R
C
S

Block Diagram



LOUT
ROUT
CVOLOUT
SVOLOUT
1
2
5
4
3
8
7
6
SW1
SW2
SW3
SW4
SW5
SW6
BY-PASS
MUTE
SPACE SURROUND
PROLOGIC
MASTER VOLUME
MASTER VOLUME
MCU Interface
16
15
14
REQ
SCK
DATA
CENTER MODE CONTROL
WIDE NORMAL PHANTOM OFF
L
R
C
ADAPTIVE MATRIX
S'
NOISE SEQUENCER
SELECTOR
INPUT BALANCE
Modified BNR
33
31
32
Digital Delay
10Kbit SRAM
LPF
D/A
Logic
A/D
LPF
F.B.VOL
20
19
18
MICOUT
MICVOL
L-R
L+R/2
57
56
12
LIN
RIN
MICIN

8-2 DVD

1. ZIVA- 5 DVD CONTROLER

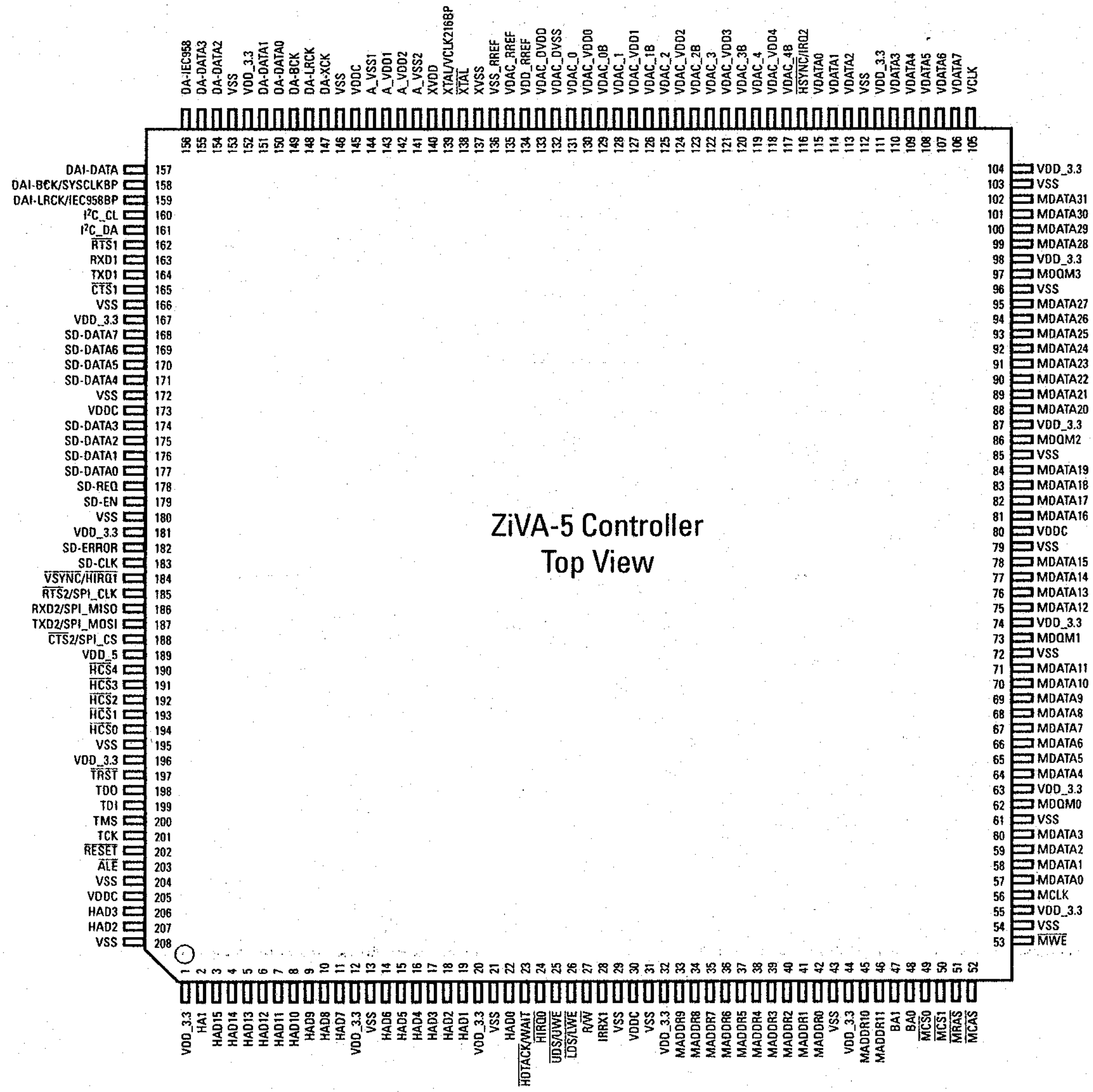

ZiVA-5 Controller
Top View
156 DA-IEC958
155 DA-DATA3
154 DA-DATA2
153 VSS
152 VDD_3.3
151 DA-DATA1
150 DA-DATA0
149 DA-BCK
148 DA-LRCK
147 DA-XCK
146 VSS
145 VDDC
144 A_VSS1
143 A_VDD1
142 A_VDD2
141 A_VSS2
140 XVDD
139 XTAL/VCLK216BP
138 XTAL
137 XVSS
136 VSS_RREF
135 VDAC_RREF
134 VDD_RREF
133 VDAC_DVDD
132 VDAC_DVSS
131 VDAC_0
130 VDAC_VDD0
129 VDAC_0B
128 VDAC_1
127 VDAC_VDD1
126 VDAC_1B
125 VDAC_2
124 VDAC_VDD2
123 VDAC_2B
122 VDAC_3
121 VDAC_VDD3
120 VDAC_3B
119 VDAC_4
118 VDAC_VDD4
117 VDAC_4B
116 HSYNC/IRQ2
115 VDATA0
114 VDATA1
113 VDATA2
112 VSS
111 VDD_3.3
110 VDATA3
109 VDATA4
108 VDATA5
107 VDATA6
106 VDATA7
105 VCLK
DAI-DATA 157
DAI-BCK/SYSCLKBP 158
DAI-LRCK/IEC958BP 159
I²C_CL 160
I²C_DA 161
RTS1 162
RXD1 163
TXD1 164
CTS1 165
VSS 166
VDD_3.3 167
SD-DATA7 168
SD-DATA6 169
SD-DATA5 170
SD-DATA4 171
VSS 172
VDDC 173
SD-DATA3 174
SD-DATA2 175
SD-DATA1 176
SD-DATA0 177
SD-REQ 178
SD-EN 179
VSS 180
VDD_3.3 181
SD-ERROR 182
SD-CLK 183
VSYNC/HIRQ1 184
RTS2/SPI_CLK 185
RXD2/SPI_MISO 186
TXD2/SPI_MOSI 187
CTS2/SPI_CS 188
VDD_5 189
HCS4 190
HCS3 191
HCS2 192
HCS1 193
HCS0 194
VSS 195
VDD_3.3 196
TRST 197
TDO 198
TDI 199
TMS 200
TCK 201
RESET 202
ALE 203
VSS 204
VDDC 205
HAD3 206
HAD2 207
VSS 208
104 VDD_3.3
103 VSS
102 MDATA31
101 MDATA30
100 MDATA29
99 MDATA28
98 VDD_3.3
97 MDQM3
96 VSS
95 MDATA27
94 MDATA26
93 MDATA25
92 MDATA24
91 MDATA23
90 MDATA22
89 MDATA21
88 MDATA20
87 VDD_3.3
86 MDQM2
85 VSS
84 MDATA19
83 MDATA18
82 MDATA17
81 MDATA16
80 VDDC
79 VSS
78 MDATA15
77 MDATA14
76 MDATA13
75 MDATA12
74 VDD_3.3
73 MDQM1
72 VSS
71 MDATA11
70 MDATA10
69 MDATA9
68 MDATA8
67 MDATA7
66 MDATA6
65 MDATA5
64 MDATA4
63 VDD_3.3
62 MDQM0
61 VSS
60 MDATA3
59 MDATA2
58 MDATA1
57 MDATA0
56 MCLK
55 VDD_3.3
54 VSS
53 MWE
1 VDD_3.3
2 HA1
3 HAD15
4 HAD14
5 HAD13
6 HAD12
7 HAD11
8 HAD10
9 HAD9
10 HAD8
11 HAD7
12 VDD_3.3
13 VSS
14 HAD6
15 HAD5
16 HAD4
17 HAD3
18 HAD2
19 HAD1
20 VDD_3.3
21 VSS
22 HAD0
23 HDTACK/WAIT
24 HIRQ0
25 UDS/UWE
26 LDS/LWE
27 R/W
28 IRRX1
29 VSS
30 VDDC
31 VSS
32 VDD_3.3
33 MADDR9
34 MADDR8
35 MADDR7
36 MADDR6
37 MADDR5
38 MADDR4
39 MADDR3
40 MADDR2
41 MADDR1
42 MADDR0
43 VSS
44 VDD_3.3
45 MADDR10
46 MADDR11
47 BA1
48 BA0
49 MCS0
50 MCS1
51 MRAS
52 MCAS

Figure 1 ZiVA-5 controller Pinout (208-pin PQFP)

Table 1 ZiVA-5 controller Pin List

Pin No.	Pin Name	I/O Voltage	I/O Type
1	VDDP	3.3V	ó
2	HA1	3.3V*	I/O
3	HA15	3.3V*	I/O
4	HA14	3.3V*	I/O
5	HA13	3.3V*	I/O
6	HA12	3.3V*	I/O

Table 1 **ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
7	HA11	3.3V*	I/O
8	HA10	3.3V*	I/O
9	HA9	3.3V*	I/O
10	HA8	3.3V*	I/O
11	HA7	3.3V*	I/O
12	VDDP	3.3V	ó
13	GNDP	GROUND	ó
14	HA6	3.3V*	I/O
15	HA5	3.3V*	I/O
16	HA4	3.3V*	I/O
17	HA3	3.3V*	I/O
18	HA2	3.3V*	I/O
19	HA1	3.3V*	I/O
20	VDDP	3.3V	ó
21	GNDP	GROUND	ó
22	HA0	3.3V*	I/O
23	$\overline{\text{HDTACK}}$/WAIT	3.3V*	I/OD
24	$\overline{\text{HIRQ0}}$	3.3V*	I/O
25	$\overline{\text{HUDS/UWE}}$	3.3V*	I/O
26	$\overline{\text{HLDS/LWE}}$	3.3V*	I/O
27	HREAD	3.3V*	I/O
28	IRRX1/GPIO[0]	3.3V*	I
29	GND	GROUND	ó
30	VDD	1.8V	ó
31	GND25	GROUND	ó
32	VDD25	3.3V	ó
33	MA9	3.3V	0
34	MA8	3.3V	0
35	MA7	3.3V	0
36	MA6	3.3V	0
37	MA5	3.3V	0
38	MA4	3.3V	0
39	MA3	3.3V	0
40	MA2	3.3V	0
41	MA1	3.3V	0
42	MA0	3.3V	0
43	GND25	GROUND	ó
44	VDD25	3.3V	ó
45	MA10	3.3V	0
46	MA11	3.3V	0
47	BA1	3.3V	0
48	BA0	3.3V	0
49	$\overline{\text{MCS0}}$	3.3V	0
50	$\overline{\text{MCS1}}$	3.3V	0
51	$\overline{\text{MRAS}}$	3.3V	0
52	$\overline{\text{MCAS}}$	3.3V	0
53	$\overline{\text{MWE}}$	3.3V	0

Table 1 **ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
54	GND25	GROUND	ó
55	VDD25	3.3V	ó
56	MCLK		0
57	MD0	3.3V	I/O
58	MD1	3.3V	I/O
59	MD2	3.3V	I/O
60	MD3	3.3V	I/O
61	GND25	GROUND	ó
62	MDQM0	3.3V	0
63	VDD25	3.3V	ó
64	MD4	3.3V	I/O
65	MD5	3.3V	I/O
66	MD6	3.3V	I/O
67	MD7	3.3V	I/O
68	MD8	3.3V	I/O
69	MD9	3.3V	I/O
70	MD10	3.3V	I/O
71	MD11	3.3V	I/O
72	GND25	GROUND	ó
73	MDQM1	3.3V	0
74	VDD25	3.3V	ó
75	MD12	3.3V	I/O
76	MD13	3.3V	I/O
77	MD14	3.3V	I/O
78	MD15	3.3V	I/O
79	GND	GROUND	ó
80	VDD	1.8V	ó
81	MD16	3.3V	I/O
82	MD17	3.3V	I/O
83	MD18	3.3V	I/O
84	MD19	3.3V	I/O
85	GND25	GROUND	ó
86	MDQM2	3.3V	0
87	VDD25	3.3V	ó
88	MD20	3.3V	I/O
89	MD21	3.3V	I/O
90	MD22	3.3V	I/O
91	MD23	3.3V	I/O
92	MD24	3.3V	I/O
93	MD25	3.3V	I/O
94	MD26	3.3V	I/O
95	MD27	3.3V	I/O
96	GND25	GROUND	ó
97	MDQM3	3.3V	0
98	VDD25	3.3V	ó
99	MD28	3.3V	I/O
100	MD29	3.3V	I/O

Table 1 **ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
101	MD30	3.3V	I/O
102	MD31	3.3V	I/O
103	GND25	GROUND	ó
104	VDD25	3.3V	ó
105	VCLK	3.3V*	I/O
106	VDATA7/GPIO[1]	3.3V*	I/O
107	VDATA6/GPIO[2]	3.3V*	I/O
108	VDATA5/GPIO[3]	3.3V*	I/O
109	VDATA4/GPIO[4]	3.3V*	I/O
110	VDATA3/GPIO[5]	3.3V*	I/O
111	VDDP	3.3V	ó
112	GNDP	GROUND	ó
113	VDATA2/GPIO[6]	3.3V*	I/O
114	VDATA1/GPIO[7]	3.3V*	I/O
115	VDATA0/GPIO[8]	3.3V*	I/O
116	$\overline{\text{HSYNC}}$/$\overline{\text{HIRQ2}}$/GPIO[9]	3.3V*	I/O
117	VDAC_4B	ANALOG	0
118	VDAC_VDD4	3.3V ANALOG	ó
119	VDAC_4	ANALOG	0
120	VDAC_3B	ANALOG	0
121	VDAC_VDD3	3.3V ANALOG	ó
122	VDAC_3	ANALOG	0
123	VDAC_2B	ANALOG	0
124	VDAC_VDD2	3.3V ANALOG	ó
125	VDAC_2	ANALOG	0
126	VDAC_1B	ANALOG	0
127	VDAC_VDD1	3.3V ANALOG	ó
128	VDAC_1	ANALOG	0
129	VDAC_0B	ANALOG	0
130	VDAC_VDD0	3.3V ANALOG	ó
131	VDAC_0	ANALOG	0
132	VDAC_DVSS	GROUND	
133	VDAC_DVDD 3.	3V	
134	VAC_REFVDD	3.3V	
135	VDAC_REF	ANALOG	I
136	VDAC_REFVSS	GROUND	
137	XVSS	GROUND	
138	XOUT	ANALOG	
139	XIN/bypass clk_216	ANALOG	
140	XVDD	3.3V	
141	AVSS2	GROUND	
142	AVDD2	3.3V	
143	AVDD1	3.3V	
144	AVSS1	GROUND	
145	VDD	1.8V	ó
146	GND	GROUND	ó
147	XCK	3.3V*	I/O

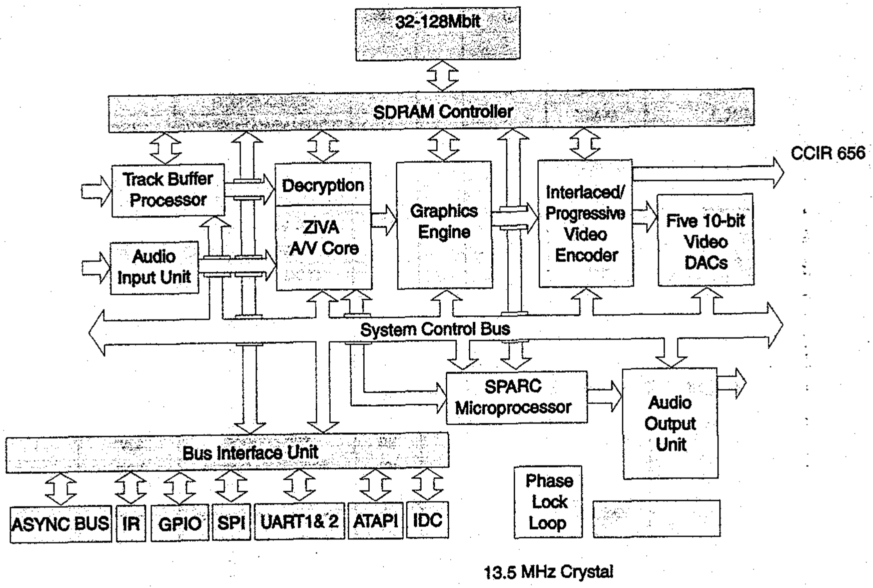
Table 1 **ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
148	LRCK	3.3V*	0
149	BCK	3.3V*	0
150	ADATA0/GPIO[10]	3.3V*	0
151	ADATA1/GPIO[11]	3.3V*	0
152	VDDP	3.3V	ó
153	GNDP	GROUND	ó
154	ADATA2/GPIO[12]	3.3V*	0
155	ADATA3/GPIO[13]	3.3V*	0
156	IEC958/GPIO[14]	3.3V*	0
157	DAI_DATA/GPIO[15]	3.3V*	I
158	DAI_BCK/bypass_sysclk/ GPIO[16]	3.3V*	I
159	DAI_LRCK/iec958bp/GPIO[17]	3.3V*	I
160	I2C_CL/GPIO[18]	3.3V*	I/OD
161	I2C_DA/GPIO[19]	3.3V*	I/OD
162	$\overline{\text{RTS}}$1/GPIO[20]	3.3V*	0
163	RXD1/GPIO[21]	3.3V*	I
164	TXD1/GPIO[22]	3.3V*	0
165	$\overline{\text{CTS}}$1/GPIO[23]	3.3V*	I
166	GNDP	GROUND	ó
167	VDDP	3.3V	ó
168	SDDATA7/VDATA2[7]/ HDMARQ/GPIO[24]	3.3V	I
169	SDDATA6/VDATA2[6]/HXCVR_ EN/ GPIO[25]	3.3V*	I
170	SDDATA5/VDATA2[5]/ HDMACK/GPIO[26]	3.3V*	I
171	SDDATA4/VDATA2[4]/GPIO[27]	3.3V*	I
172	GND	GROUND	ó
173	VDD	1.8V	ó
174	SDDATA3/VDATA2[3]/GPIO[28]	3.3V*	I
175	SDDATA2/VDATA2[2]/GPIO[29]	3.3V*	I
176	SDDATA1/VDATA2[1]/GPIO[30]	3.3V*	I
177	SDDATA0/VDATA2[0] /GPIO[31]	3.3V*	I
178	SDREQ/GPIO[32]	3.3V*	0
179	SDEN/GPIO[33]	3.3V*	I
180	GNDP	GROUND	ó
181	VDDP	3.3V	ó
182	SDERROR/GPIO[34]	3.3V*	I
183	SDCLK/GPIO[35]	3.3V*	I
184	$\overline{\text{VSYNC}}$/$\overline{\text{HIRQ1}}$/GPIO[36]	3.3V*	I/O
185	$\overline{\text{RTS}}$2/SPI_CLK/GPIO[37]	3.3V*	0
186	RXD2/SPI_MISO/GPIO[38]	3.3V*	I
187	TXD2/SPI_MOSI/GPIO[39]	3.3V*	0
188	$\overline{\text{CTS}}$2/SPI_CS/GPIO[40]	3.3V*	I
189	VNW	5V	ó

Table 1 ZiVA-5 controller Pin List (Continued)

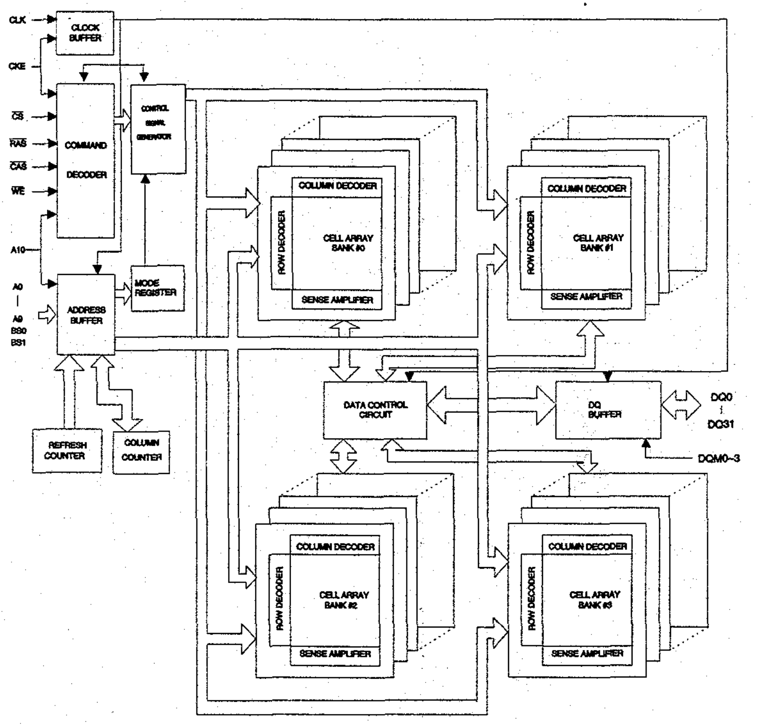
Pin No.	Pin Name	I/O Voltage	I/O Type
190	$\overline{\text{HCS}}$4/GPIO[41]	3.3V*	I
191	$\overline{\text{HCS}}$3/GPIO[42]	3.3V*	I
192	$\overline{\text{HCS}}$2/GPIO[43]	3.3V*	I
193	$\overline{\text{HCS1}}$	3.3V*	I/O
194	$\overline{\text{HCS0}}$	3.3V*	I/O
195	GNDP	GROUND	ó
196	VDDP	3.3V	ó
197	$\overline{\text{TRST}}$	3.3V*	I
198	TDO	3.3V*	0
199	TDI/GPI[0]	3.3V*	I
200	TMS/GPI[1]	3.3V*	I
201	TCK	3.3V*	I
202	$\overline{\text{RESET}}$	3.3V*	I
203	$\overline{\text{ALE}}$	3.3V*	I/O
204	GND	GROUND	ó
205	VDD	1.8V	ó
206	HA3	3.3V*	I
207	HA2	3.3V*	I
208	GNDP	GROUND	ó

Note: The ZiVA-5 core operates at 1.8V ± 10%. Most I/O interface pins can be interfaced with 3.3-V or 5-V devices depending on the voltage applied to the VDD pins associated with them. Refer to the Application Note for more information.


32-128Mbit
SDRAM Controller
CCIR 656
Track Buffer Processor
Audio Input Unit
Decryption
ZiVA A/V Core
Graphics Engine
Interlaced/ Progressive Video Encoder
Five 10-bit Video DACs
System Control Bus
SPARC Microprocessor
Audio Output Unit
Bus Interface Unit
ASYNC BUS
IR
GPIO
SPI
UART1&2
ATAPI
IDC
Phase Lock Loop
13.5 MHz Crystal

2.W986432DH

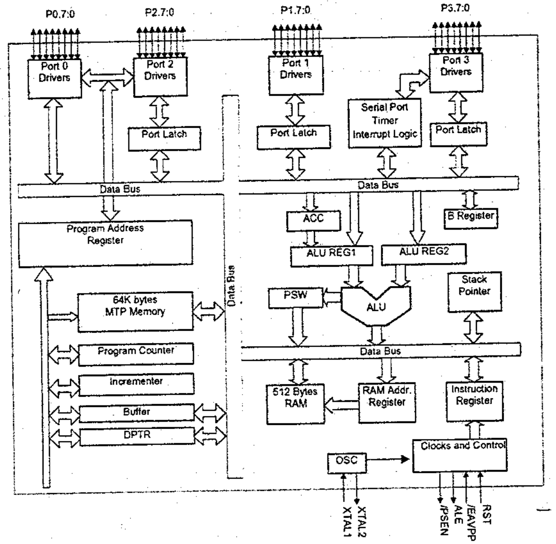
BLOCK DIAGRAM


CLK
CKE
$\overline{\text{CS}}$
$\overline{\text{RAS}}$
$\overline{\text{CAS}}$
$\overline{\text{WE}}$
A10
A0
A9
BS0
BS1
CLOCK BUFFER
COMMAND DECODER
CONTROL SIGNAL GENERATOR
MODE REGISTER
ADDRESS BUFFER
REFRESH COUNTER
COLUMN COUNTER
COLUMN DECODER
ROW DECODER
CELL ARRAY BANK #0
SENSE AMPLIFIER
CELL ARRAY BANK #1
CELL ARRAY BANK #2
CELL ARRAY BANK #3
DATA CONTROL CIRCUIT
DQ BUFFER
DQ0
DQ31
DQM0~3

NOTE:
The cell array configuration is 2048 * 256 * 32

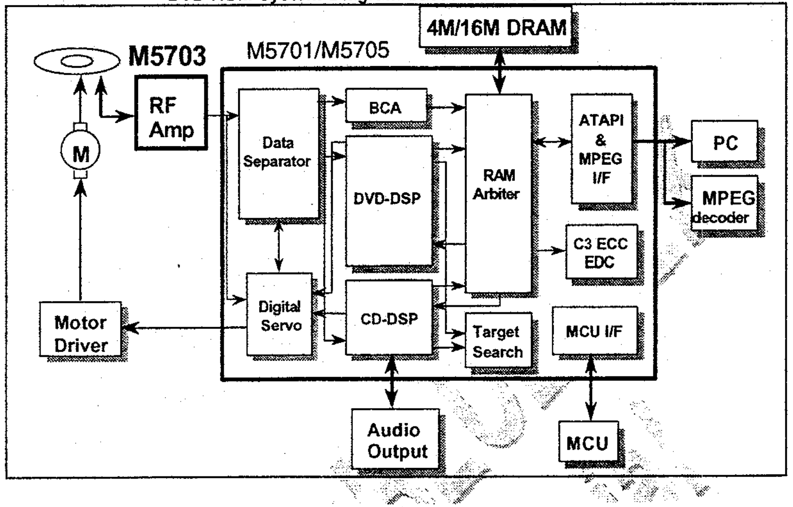
3. M6759 ; 8BIT MTP micro controller

1.2 Block Diagram


P0.7:0
P2.7:0
P1.7:0
P3.7:0
Port 0 Drivers
Port 2 Drivers
Port 1 Drivers
Port 3 Drivers
Port Latch
Serial Port Timer Interrupt Logic
Port Latch
Port Latch
Data Bus
Data Bus
Program Address Register
ACC
B Register
ALU REG1
ALU REG2
PSW
ALU
Stack Pointer
64K bytes MTP Memory
Data Bus
Program Counter
Incrementer
Buffer
DPTR
Data Bus
512 Bytes RAM
RAM Addr. Register
Instruction Register
OSC
Clocks and Control
XTAL1
XTAL2
/PSEN
ALE
/EAVPP
RST

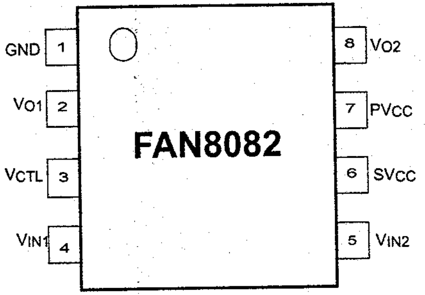
4. M5701/M5705 ; DVD ROM controller

DVD-ROM System Diagram based on M5701/M5703


4M/16M DRAM
M5703
M5701/M5705
RF Amp
M
Data Separator
BCA
DVD-DSP
RAM Arbiter
ATAPI & MPEG I/F
PC
MPEG decoder
C3 ECC EDC
Motor Driver
Digital Servo
CD-DSP
Target Search
MCU I/F
Audio Output
MCU

5. FAN8082

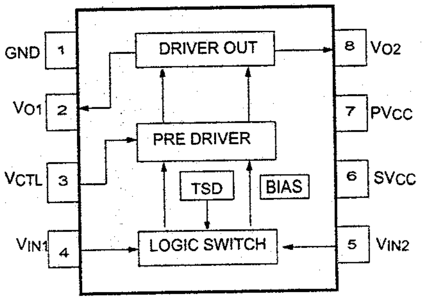
Pin Assignments


FAN8082
GND 1
VO1 2
VCTL 3
VIN1 4
8 VO2
7 PVCC
6 SVCC
5 VIN2

Pin Definitions

Pin Number	Pin Name	I/O	Pin Function Description
1	GND	-	Ground
2	VO1	O	Output 1
3	VCTL	I	Motor speed control
4	VIN1	I	Input 1
5	VIN2	I	Input 2
6	SVCC	-	Supply voltage (Signal)
7	PVCC	-	Supply voltage (Power)
8	VO2	O	Output 2

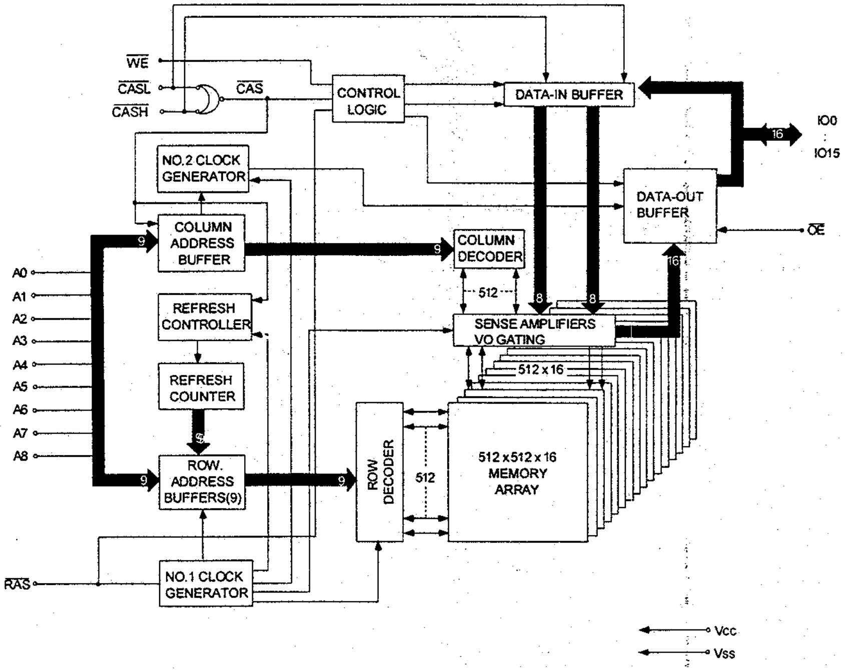
Internal Block Diagram


GND 1
VO1 2
VCTL 3
VIN1 4
8 VO2
7 PVCC
6 SVCC
5 VIN2
DRIVER OUT
PRE DRIVER
TSD
BIAS
LOGIC SWITCH

6. M11B416256A

EliteMT *Preliminary* *M11B416256A*

FUNCTIONAL BLOCK DIAGRAM


WE
CASL
CASH
CAS
CONTROL LOGIC
DATA-IN BUFFER
16
IO0
:
IO15
NO.2 CLOCK GENERATOR
DATA-OUT BUFFER
OE
COLUMN ADDRESS BUFFER
9
COLUMN DECODER
512
REFRESH CONTROLLER
8
16
SENSE AMPLIFIERS I/O GATING
512 x 16
REFRESH COUNTER
A0
A1
A2
A3
A4
A5
A6
A7
A8
ROW. ADDRESS BUFFERS(9)
ROW DECODER
512 x 512 x 16 MEMORY ARRAY
RAS
NO.1 CLOCK GENERATOR
Vcc
Vss

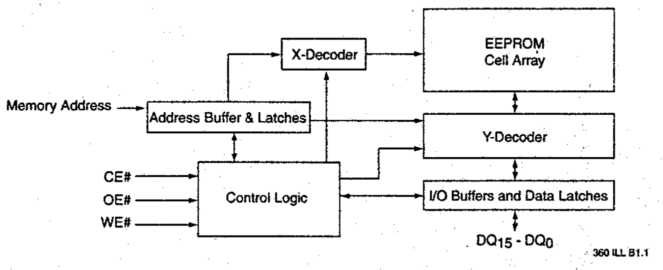
PIN DESCRIPTIONS

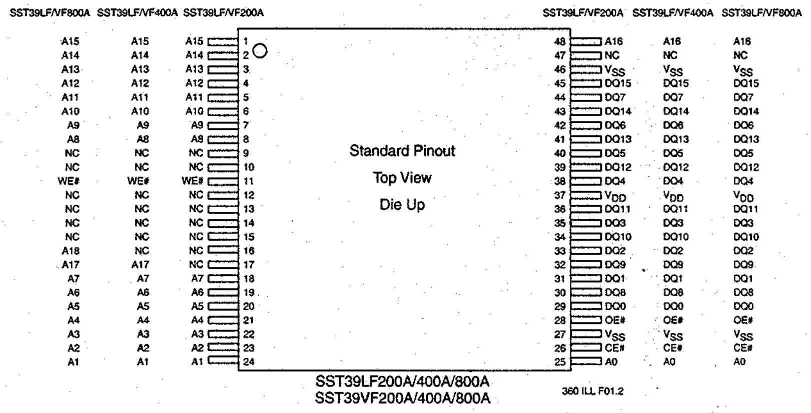
PIN NO.	SYM.	TYPE	DESCRIPTION
16~19,22~26	A0~A8	Input	Address Input
14	$\overline{RAS}$	Input	Row Address Strobe
28	$\overline{CASH}$	Input	Column Address Strobe/Upper Byte Control
29	$\overline{CASL}$	Input	Column Address Strobe/Lower Byte Control
13	$\overline{WE}$	Input	Write Enable
27	$\overline{OE}$	Input	Output Enable
2~5,7~10,31~34,36~39	I/O0 ~ I/O15	Input/Output	Data Input/Output
1,6,20	Vcc	Supply	Power, 5V
21,35,40	Vss	Ground	Ground
11,12,15,30	NC	-	No Connect

---

7. SST39LF800A ; Multi Purpose Flash

FUNCTIONAL BLOCK DIAGRAM


Memory Address
X-Decoder
EEPROM Cell Array
Address Buffer & Latches
Y-Decoder
CE#
OE#
WE#
Control Logic
I/O Buffers and Data Latches
DQ_{15} - DQ_0
360 ILL B1.1


SST39LF/VF800A SST39LF/VF400A SST39LF/VF200A
A15 A15 A15 1
A14 A14 A14 2
A13 A13 A13 3
A12 A12 A12 4
A11 A11 A11 5
A10 A10 A10 6
A9 A9 A9 7
A8 A8 A8 8
NC NC NC 9
NC NC NC 10
WE# WE# WE# 11
NC NC NC 12
NC NC NC 13
NC NC NC 14
NC NC NC 15
A18 NC NC 16
A17 A17 NC 17
A7 A7 A7 18
A6 A6 A6 19
A5 A5 A5 20
A4 A4 A4 21
A3 A3 A3 22
A2 A2 A2 23
A1 A1 A1 24
SST39LF/VF200A SST39LF/VF400A SST39LF/VF800A
48 A16 A16 A16
47 NC NC NC
46 V_{SS} V_{SS} V_{SS}
45 DQ15 DQ15 DQ15
44 DQ7 DQ7 DQ7
43 DQ14 DQ14 DQ14
42 DQ6 DQ6 DQ6
41 DQ13 DQ13 DQ13
40 DQ5 DQ5 DQ5
39 DQ12 DQ12 DQ12
38 DQ4 DQ4 DQ4
37 V_{DD} V_{DD} V_{DD}
36 DQ11 DQ11 DQ11
35 DQ3 DQ3 DQ3
34 DQ10 DQ10 DQ10
33 DQ2 DQ2 DQ2
32 DQ9 DQ9 DQ9
31 DQ1 DQ1 DQ1
30 DQ8 DQ8 DQ8
29 DQ0 DQ0 DQ0
28 OE# OE# OE#
27 V_{SS} V_{SS} V_{SS}
26 CE# CE# CE#
25 A0 A0 A0
Standard Pinout
Top View
Die Up
SST39LF200A/400A/800A
SST39VF200A/400A/800A
360 ILL F01.2

8-3. HT-DM150/550 MICOM PORT ASSIGNMENT

* #31, #47~53 Pull-Down Register (addition)

* GREEN : NC

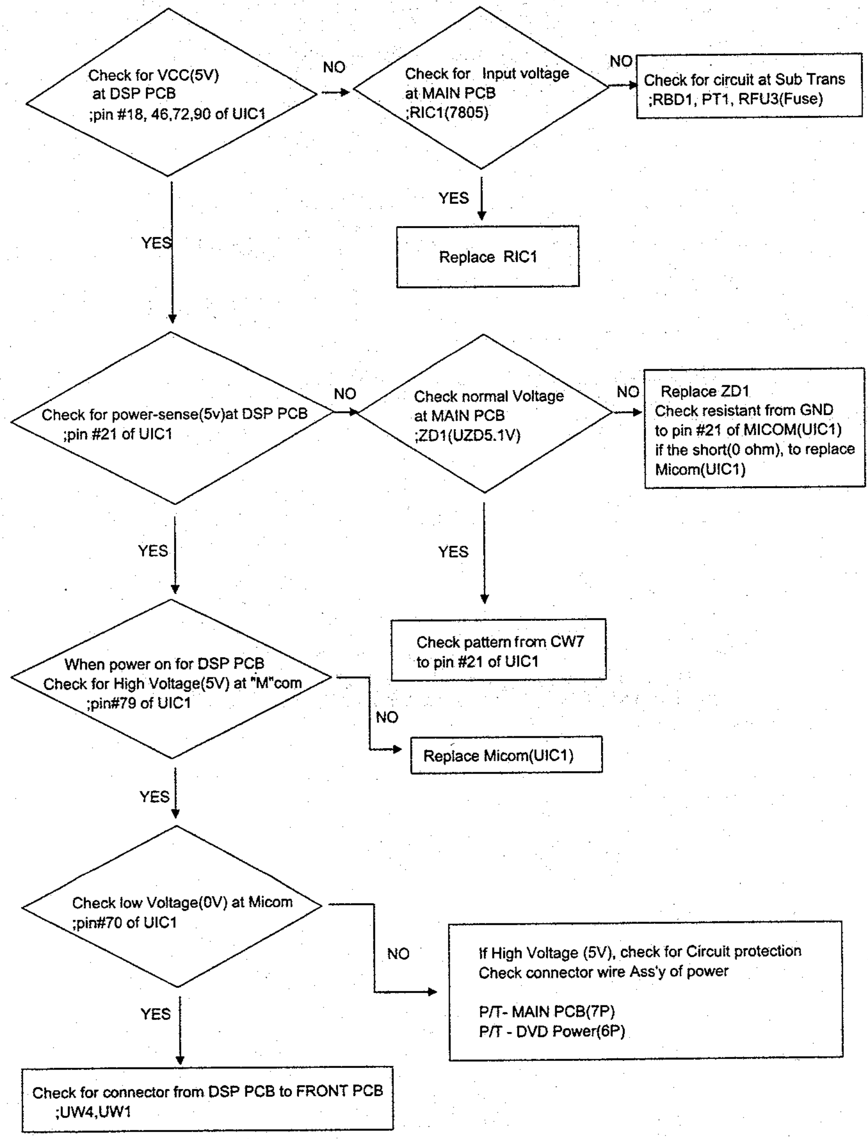
NO	PORT	NAME	IO	TY	FUNCTION	NO	PORT	NAME	IO	TY	FUNCTION
1	P16/BUZ	RESET	O	CMOS	CS49326/4228/8415 RESET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	P17/PWM	P_SCL	O	CMOS	CL-Motor (DVD DOOR)	52	S20/PC4	OPIN5	I	OD	OPTION IN 5 (PULL DOWN)
3	P30	P_SDA	O	CMOS	OP-Motor (DVD DOOR)	53	S21/PC5	OPIN6	I	OD	OPTION IN 6 (PULL DOWN)
4	P31	DO4	O	CMOS	TDA7449 DATA (REAR)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	P32	DO3	O	CMOS	TDA7449 DATA (C/SW)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	P33	CE1	O	CMOS	LC72131 CE (PLL)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	P34	CS	O	CMOS	CS4228 CS	57	S25/PD1	SW_OP	I	OD	Open(OUT) S/W IN
8	P35	CLK1	O	CMOS	LC72131/TDA7440/7449 CLK	58	S26/PD2	SW_CL	I	OD	Close(IN) S/W IN
9	P36	DO1	O	CMOS	LC72131/TDA7440 DA(FRONT)	[illegible]	[illegible]	[illegible]	[illegible]	OD	[illegible]
10	P37	RDSD	I	CMOS	RDS DATA IN	60	S28/PD4	MUTEC	I	OD	CS8228A MUTEC
11	P70/INT0	RDSC	I	OD	RDS CLK IN	61	S29/PD5	U	I	OD	CS8415 U
12	RES	RESET	I	-	MICOM RESET	62	S30/PD6	EMPH	I	OD	CS8415 EMPH
[illegible]	[illegible]	XT1	I	[illegible]	[illegible]	63	S31/PD7	EVR1	I	OD	ELEC VR UP
[illegible]	[illegible]	XT2	O	[illegible]	[illegible]	64	S32/PE0	EVR2	I	OD	ELEC VR DOWN
15	VSS1	GND	-	-	GND	65	S33/PE1	CDOUT1	I	CMOS	CS49326 SCDOUT
16	CF1	CF1	I	-	MAIN OSC (6MHz) IN	66	S34/PE2	CDOUT2	I	OD	CS8415 CDOUT
17	CF2	CF2	O	-	MAIN OSC (6MHz) OUT	67	S35/PE3	DI1	I	OD	LC72131 DATA IN(PULLDOWN)
18	VDD1	VDD	-	-	VDD	68	S36/PE4	H-SEN	I	OD	HEADPHONE SENSE(PULLDOWN)
19	[illegible]	NC	I	CMOS	NC (PULL DOWN)	69	S37/PE5	ST	I	OD	STEREO
20	P81/AN1	AD1	I	CMOS	KEY A/D	70	S38/PE6	PROTEC	I	OD	PROTECTION
21	P82/AN2	P-SENS	I	CMOS	POWER SENSE	71	S39/PE7	TUNED	I	OD	TUNED
22	P83/AN3	INT	I	CMOS	CS8415 INT	72	VDD4	VDD	-	-	VFD 5V
23	P84/AN4	A16	O	CMOS	W27L010 A16 (PULL UP)	73	S40/PF0	ML	O	OD	WM8720 ML (PULL DOWN)
24	P85/AN5	A15	O	CMOS	W27L010 A15 (PULL UP)	74	S41/PF1	MC	O	OD	WM8720 MC (PULL DOWN)
25	P86/AN6	OE	O	CMOS	W24L257A SRAM OE (PULL UP)	75	S42/PF2	T-CON	O	OD	DVD POWER ON/OFF(P/D)
26	P87/AN7	MCE	O	CMOS	W27L010 ROM CE (PULL UP)	76	S43/PF3	S-MUTE	O	OD	REAR MUTE (PULL DOWN)
27	P71/INT1	INT	I	CMOS	CS49326 INTREQ	77	S44/PF4	F-MUTE	O	OD	FRONT/SW MUTE (PULL DOWN)
28	P72/INT2	SCE	I	CMOS	DVD REQUEST DVD MICOM	78	S45/PF5	C-MUTE	O	OD	CENTER MUTE (PULL DOWN)
29	P73/INT3	REMO	I	CMOS	REMOCON IN	79	S46/PF6	POWER	O	OD	POWER ON/OFF (PULL DOWN)
[illegible]	[illegible]	[illegible]	O	OD	[illegible]	80	S47/PF7	RESTB	O	OD	WM8720 RESETB (PULL DOWN)
[illegible]	[illegible]	[illegible]	O	OD	[illegible]	81	S48/PG0	MD	O	OD	WM8720 MD (PULL DOWN)
32	S2/T2	LED	O	OD	LED ON/OFF (PULL DOWN)	82	S49/PG1	AUTO	O	OD	AUTO BOOT (PULL DOWN)
33	S3/T3	AV1	O	OD	TV SELECTOR 1 (4:3/16:9)	83	S50/PG2	CONTB	O	OD	VIDEO MONITOR SW-B (P/D)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	S51/PG3	CONTA	O	OD	VIDEO MONITOR SW-A (P/D)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85	PO0	MRST	O	CMOS	DVD RESET
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86	PO1	MCE	O	CMOS	DVD REQUEST MAIN MICOM
37	S7/T7	AV2	O	OD	TV SELECTOR 2 (4:3/16:9)	87	PO2	CS3	O	CMOS	CS49326 CS
38	S8/T8	COM_SW	O	OD	COMPONENT OUT SW	88	PO3	CS2	O	CMOS	CS8415 CS
39	S9/T9	H/P_M	O	OD	HEADPHONE MUTE	89	VSS2	VSS	-	-	GND
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	VDD2	VDD	-	-	VDD2
41	S11/T11	RELAY	O	OD	SPEAKER RELAY	91	PO4	V-BLK	O	CMOS	VFD DRIVER LC75725 BLK
42	S12/T12	OP 1	O	OD	OPTION OUT 1 / SCART-MUTE	92	PO5	V-DI	O	CMOS	VFD DRIVER LC75725 DI
43	S13/T13	OP 2	O	OD	OPTION OUT 2	93	PO6	V-CE	O	CMOS	VFD DRIVER LC75725 CE
44	S14/T14	OP 3	O	OD	OPTION OUT 3	94	PO7	V-CL	O	CMOS	VFD DRIVER LC75725 CL
45	S15/T15	OP 4	O	OD	OPTION OUT 4	95	P10/S00	RD	O	CMOS	DVD SERIAL DATA OUT
46	VDD3	VDD	-	-	VFD 5V	96	P11/S10	TD	I	CMOS	DVD SERIAL DATA IN
47	S16/PC0	OPIN1	I	OD	OPTION IN 1 (PULL DOWN)	97	P12/SCK0	SCLK	O	CMOS	DVD SERIAL CLK
48	S17/PC1	OPIN2	I	OD	OPTION IN 2 (PULL DOWN)	98	P13/SO1	SCCLK	O	CMOS	CS49326/8415/4228 SCCLK
49	S18/PC2	OPIN3	I	OD	OPTION IN 3 (PULL DOWN)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	S19/PC3	OPIN4	I	OD	OPTION IN 4 (PULL DOWN)	100	P15/SCK1	CDIN	O	CMOS	CS49326/8415/4228 CDIN

---

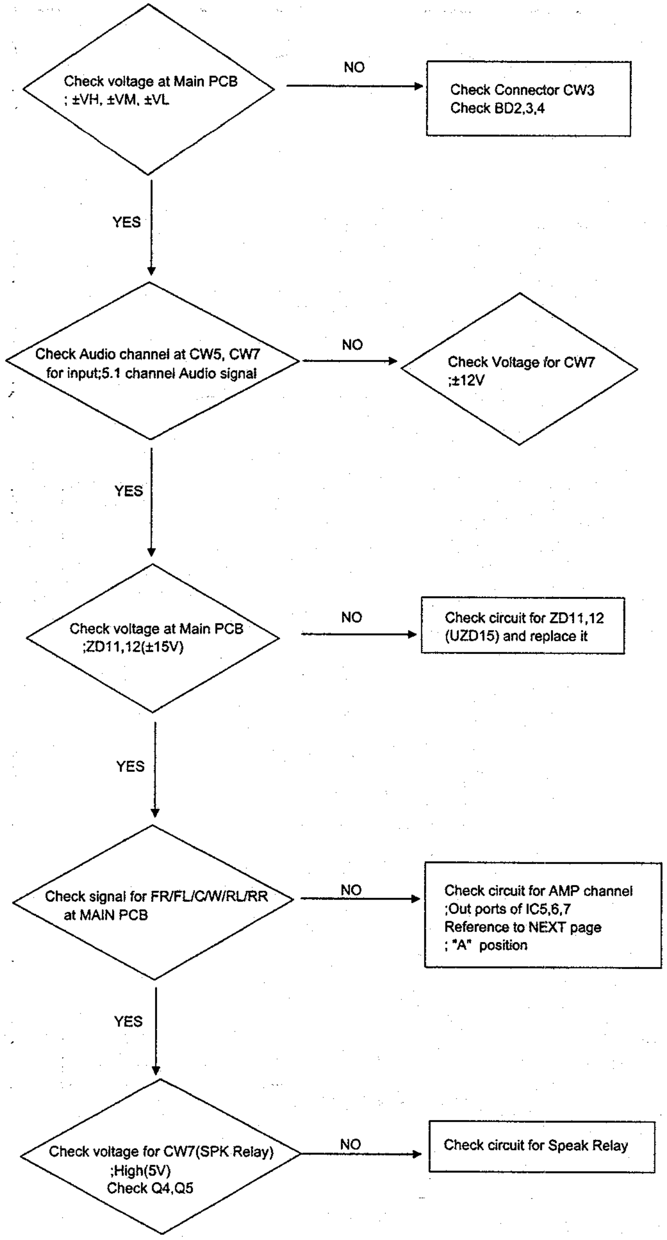
9. TroubleShooting

9-1-1 Main; HT-DM150

1. POWER

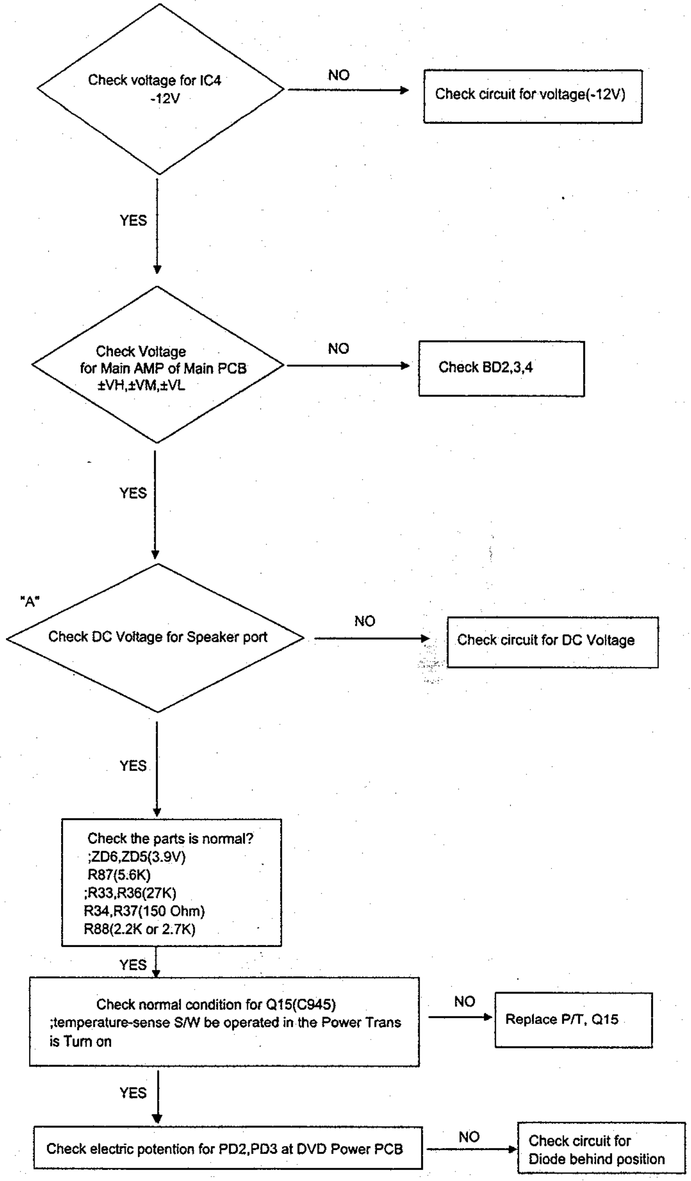

Check for VCC(5V)
at DSP PCB
;pin #18, 46,72,90 of UIC1
NO
Check for Input voltage
at MAIN PCB
;RIC1(7805)
NO
Check for circuit at Sub Trans
;RBD1, PT1, RFU3(Fuse)
YES
Replace RIC1
YES
Check for power-sense(5v)at DSP PCB
;pin #21 of UIC1
NO
Check normal Voltage
at MAIN PCB
;ZD1(UZD5.1V)
NO
Replace ZD1
Check resistant from GND
to pin #21 of MICOM(UIC1)
if the short(0 ohm), to replace
Micom(UIC1)
YES
YES
Check pattern from CW7
to pin #21 of UIC1
When power on for DSP PCB
Check for High Voltage(5V) at "M"com
;pin#79 of UIC1
NO
Replace Micom(UIC1)
YES
Check low Voltage(0V) at Micom
;pin#70 of UIC1
NO
If High Voltage (5V), check for Circuit protection
Check connector wire Ass'y of power
P/T- MAIN PCB(7P)
P/T - DVD Power(6P)
YES
Check for connector from DSP PCB to FRONT PCB
;UW4,UW1

2. OUTPUT

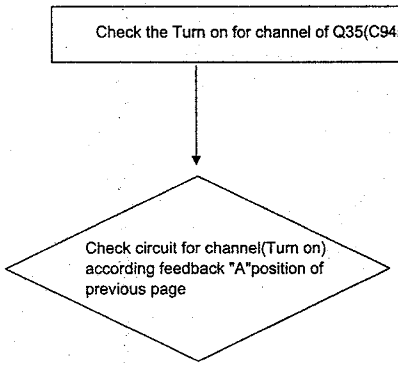

Check voltage at Main PCB
; ±VH, ±VM, ±VL
NO
Check Connector CW3
Check BD2,3,4
YES
Check Audio channel at CW5, CW7
for input;5.1 channel Audio signal
NO
Check Voltage for CW7
;±12V
YES
Check voltage at Main PCB
;ZD11,12(±15V)
NO
Check circuit for ZD11,12
(UZD15) and replace it
YES
Check signal for FR/FL/C/W/RL/RR
at MAIN PCB
NO
Check circuit for AMP channel
;Out ports of IC5,6,7
Reference to NEXT page
; "A" position
YES
Check voltage for CW7(SPK Relay)
;High(5V)
Check Q4,Q5
NO
Check circuit for Speak Relay

3. Protection(When High Voltage at Protectiion port)

3-1 In this case "LOW" for, Base port of Q12(R2003 TR) at MAIN PCB


Check voltage for IC4
-12V
NO
Check circuit for voltage(-12V)
YES
Check Voltage
for Main AMP of Main PCB
±VH,±VM,±VL
NO
Check BD2,3,4
YES
"A"
Check DC Voltage for Speaker port
NO
Check circuit for DC Voltage
YES
Check the parts is normal?
;ZD6,ZD5(3.9V)
R87(5.6K)
;R33,R36(27K)
R34,R37(150 Ohm)
R88(2.2K or 2.7K)
YES
Check normal condition for Q15(C945)
;temperature-sense S/W be operated in the Power Trans
is Turn on
NO
Replace P/T, Q15
YES
Check electric potention for PD2,PD3 at DVD Power PCB
NO
Check circuit for
Diode behind position

3-2 In this case "LOW" for Base of Q13(A733) at Main PCB

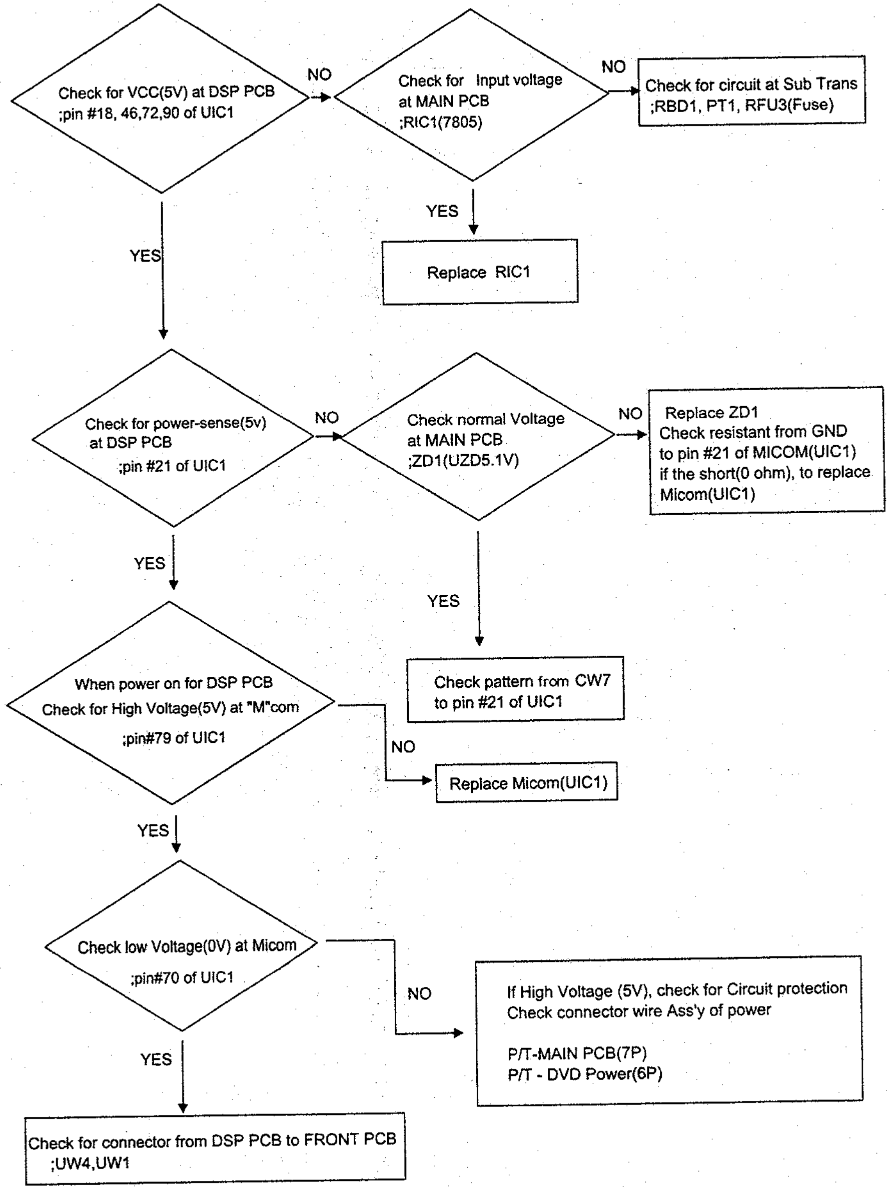

Check the Turn on for channel of Q35(C945)
Check circuit for channel(Turn on) according feedback "A"position of previous page

3-3 Check the Connector Wire Ass'y Connectin of each PCB

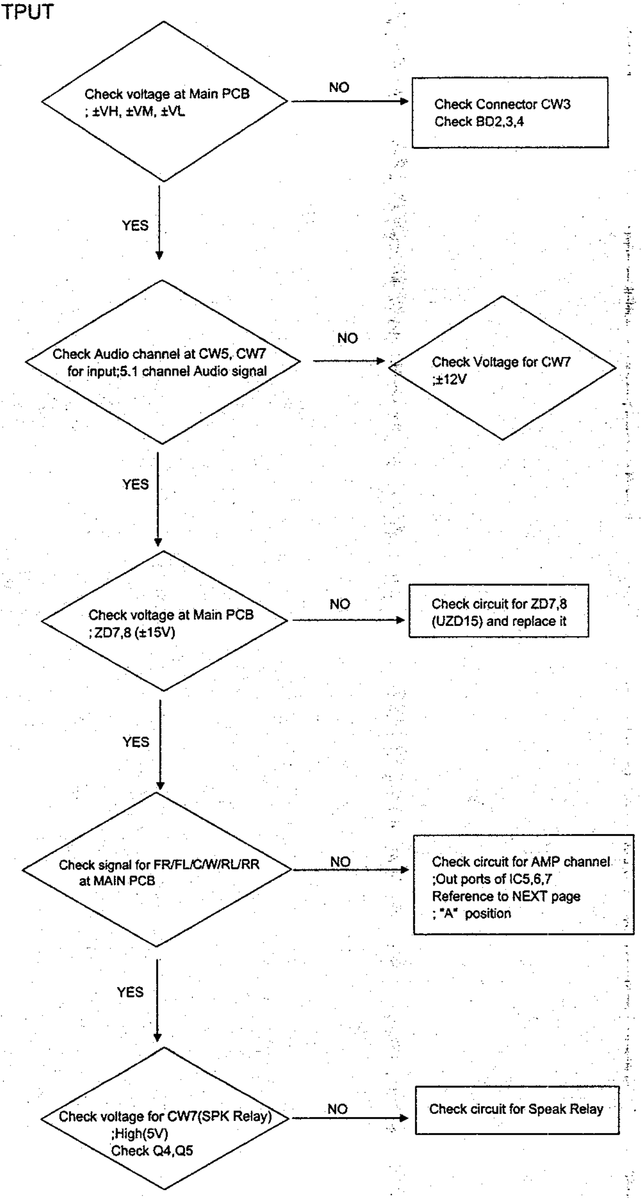
;DVD MECHA - Main PCB (6P,PW4)
;POWER TRANS - Main PCB (CW3)
;POWER TRANS - Main PCB (PW2)
;POWER TRANS - Main PCB (PW1)

9-1-2 Main; HT-DM550

1. POWER

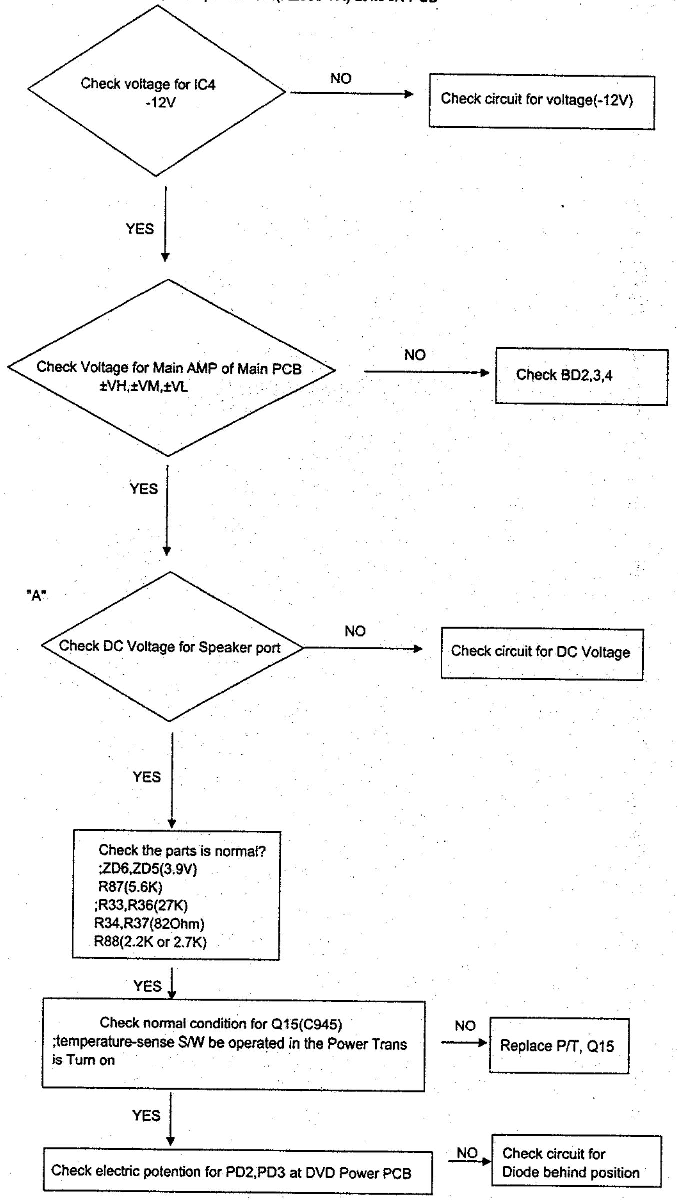

Check for VCC(5V) at DSP PCB ;pin #18, 46,72,90 of UIC1
NO
Check for Input voltage at MAIN PCB ;RIC1(7805)
NO
Check for circuit at Sub Trans ;RBD1, PT1, RFU3(Fuse)
YES
Replace RIC1
YES
Check for power-sense(5v) at DSP PCB ;pin #21 of UIC1
NO
Check normal Voltage at MAIN PCB ;ZD1(UZD5.1V)
NO
Replace ZD1
Check resistant from GND to pin #21 of MICOM(UIC1) if the short(0 ohm), to replace Micom(UIC1)
YES
YES
Check pattern from CW7 to pin #21 of UIC1
When power on for DSP PCB Check for High Voltage(5V) at "M"com ;pin#79 of UIC1
NO
Replace Micom(UIC1)
YES
Check low Voltage(0V) at Micom ;pin#70 of UIC1
NO
If High Voltage (5V), check for Circuit protection
Check connector wire Ass'y of power
P/T-MAIN PCB(7P)
P/T - DVD Power(6P)
YES
Check for connector from DSP PCB to FRONT PCB ;UW4,UW1

2. OUTPUT

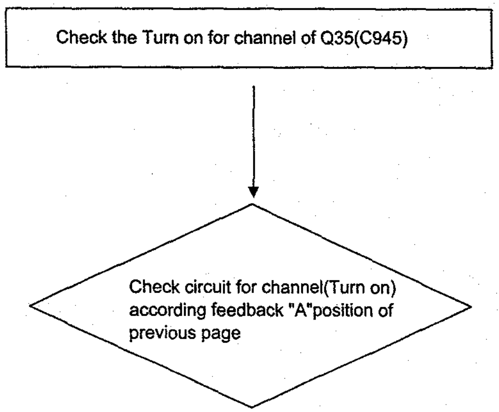

Check voltage at Main PCB
; ±VH, ±VM, ±VL
NO
Check Connector CW3
Check BD2,3,4
YES
Check Audio channel at CW5, CW7
for input;5.1 channel Audio signal
NO
Check Voltage for CW7
;±12V
YES
Check voltage at Main PCB
;ZD7,8 (±15V)
NO
Check circuit for ZD7,8
(UZD15) and replace it
YES
Check signal for FR/FL/C/W/RL/RR
at MAIN PCB
NO
Check circuit for AMP channel
;Out ports of IC5,6,7
Reference to NEXT page
; "A" position
YES
Check voltage for CW7(SPK Relay)
;High(5V)
Check Q4,Q5
NO
Check circuit for Speak Relay

3. Protection(When High Voltage at Protectiion port)

3-1 In this case "LOW" for, Base port of Q12(R2003 TR) at MAIN PCB


Check voltage for IC4
-12V
NO
Check circuit for voltage(-12V)
YES
Check Voltage for Main AMP of Main PCB
±VH,±VM,±VL
NO
Check BD2,3,4
YES
"A"
Check DC Voltage for Speaker port
NO
Check circuit for DC Voltage
YES
Check the parts is normal?
;ZD6,ZD5(3.9V)
R87(5.6K)
;R33,R36(27K)
R34,R37(82Ohm)
R88(2.2K or 2.7K)
YES
Check normal condition for Q15(C945)
;temperature-sense S/W be operated in the Power Trans
is Turn on
NO
Replace P/T, Q15
YES
Check electric potention for PD2,PD3 at DVD Power PCB
NO
Check circuit for
Diode behind position

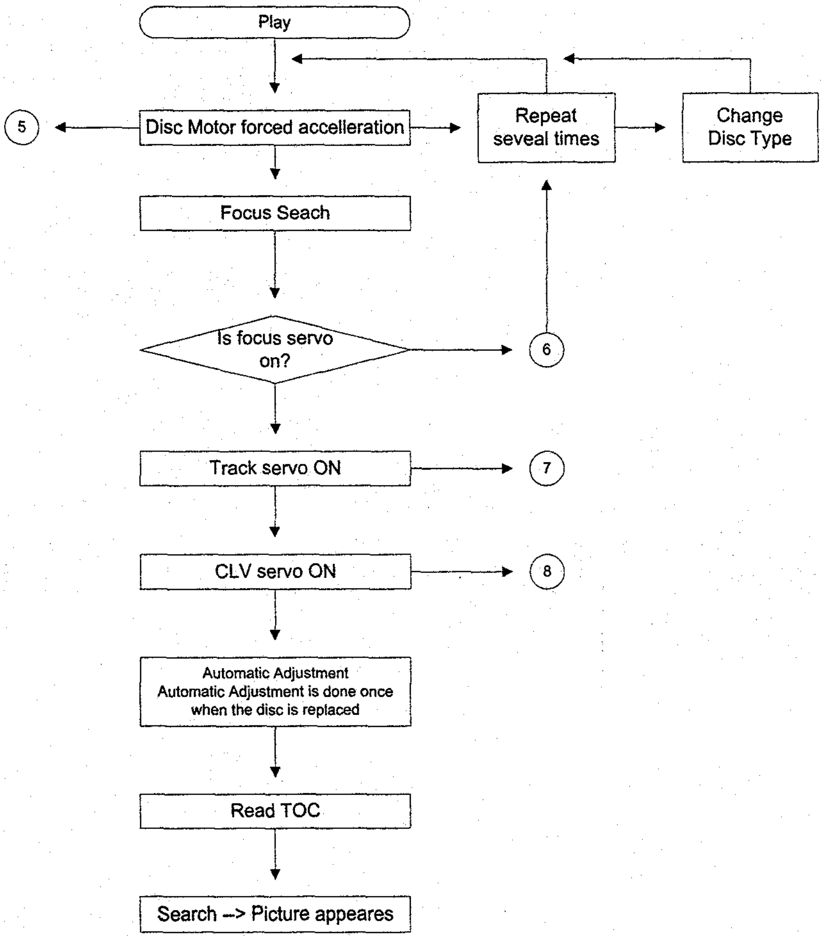
3-2 In this case "LOW" for Base of Q13(A733) at Main PCB


Check the Turn on for channel of Q35(C945)
Check circuit for channel(Turn on) according feedback "A"position of previous page

3-3 Check the Connector Wire Ass'y Connection of each PCB

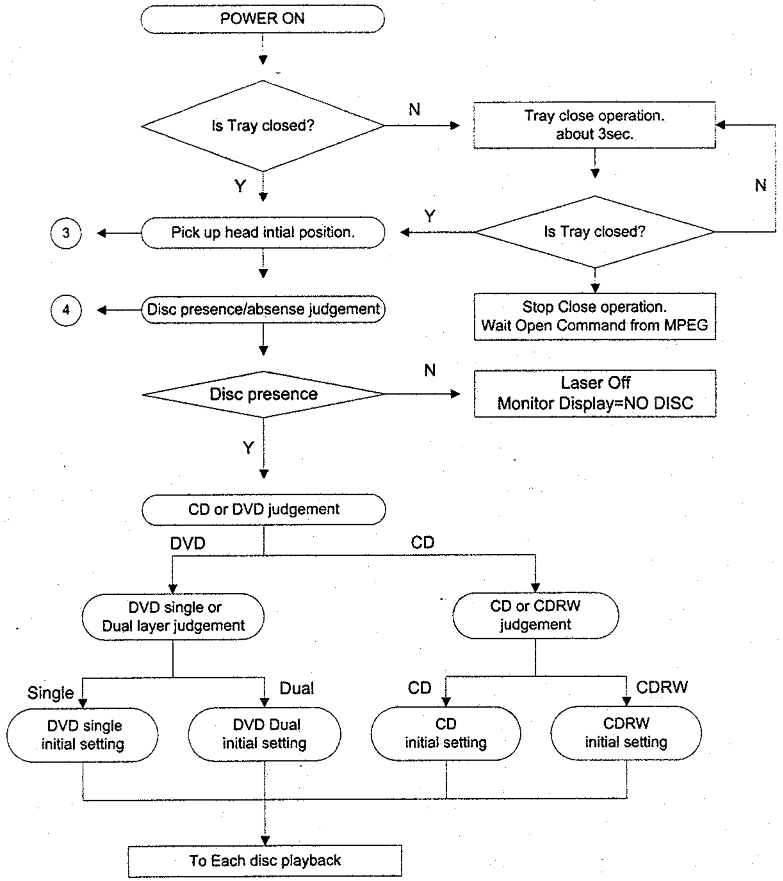
;DVD MECHA - Main PCB (6P, CCON2)
;Power Trans - Main PCB (CW3)
;Power Trans - Main PCB (CW2)

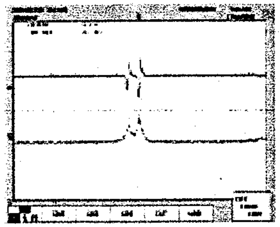
2. Play operation

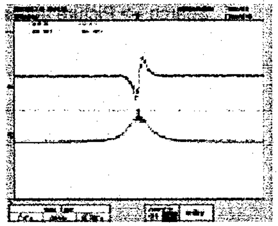

Play
5
Disc Motor forced accelleration
Repeat seveal times
Change Disc Type
Focus Seach
Is focus servo on?
6
Track servo ON
7
CLV servo ON
8
Automatic Adjustment
Automatic Adjustment is done once when the disc is replaced
Read TOC
Search --> Picture appeares

9-2 DVD Frontend parts

1. Initial operation after power ON


POWER ON
Is Tray closed?
N
Tray close operation. about 3sec.
N
Y
Y
Is Tray closed?
3
Pick up head intial position.
4
Disc presence/absense judgement
Stop Close operation. Wait Open Command from MPEG
N
Disc presence
Laser Off Monitor Display=NO DISC
Y
CD or DVD judgement
DVD
CD
DVD single or Dual layer judgement
CD or CDRW judgement
Single
Dual
CD
CDRW
DVD single initial setting
DVD Dual initial setting
CD initial setting
CDRW initial setting
To Each disc playback

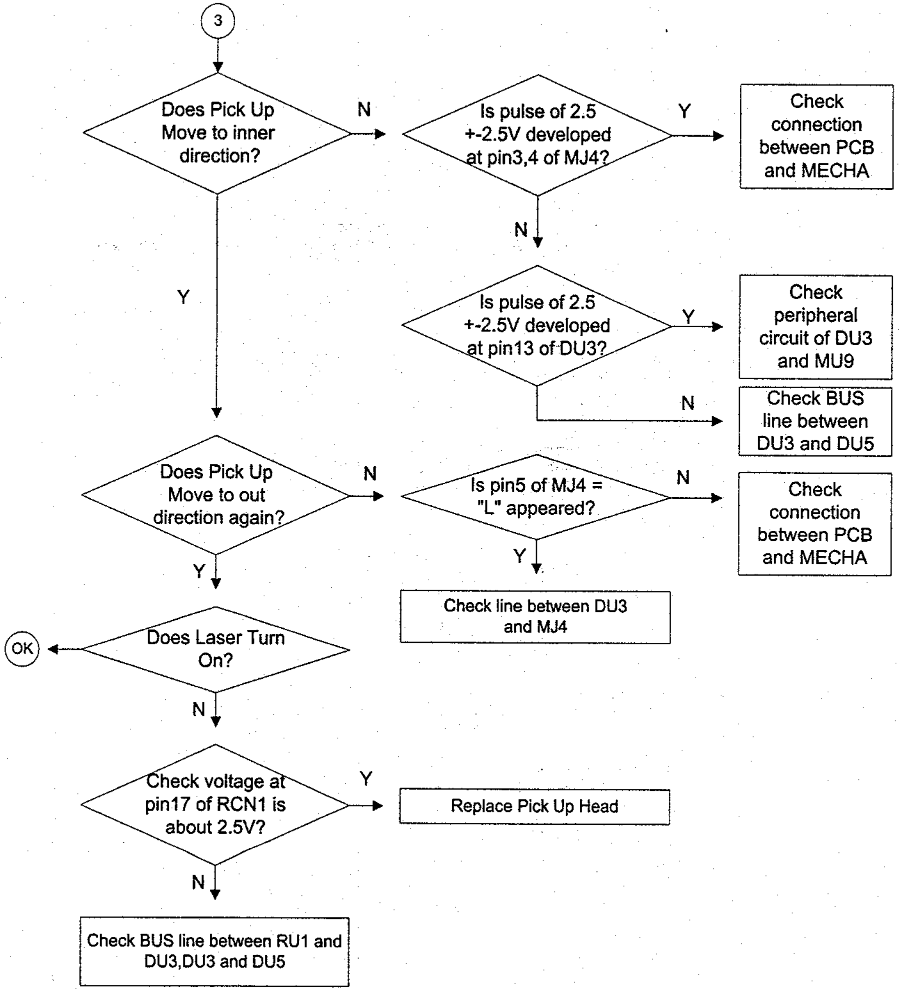

(DVD Dual)


(DVD Single)

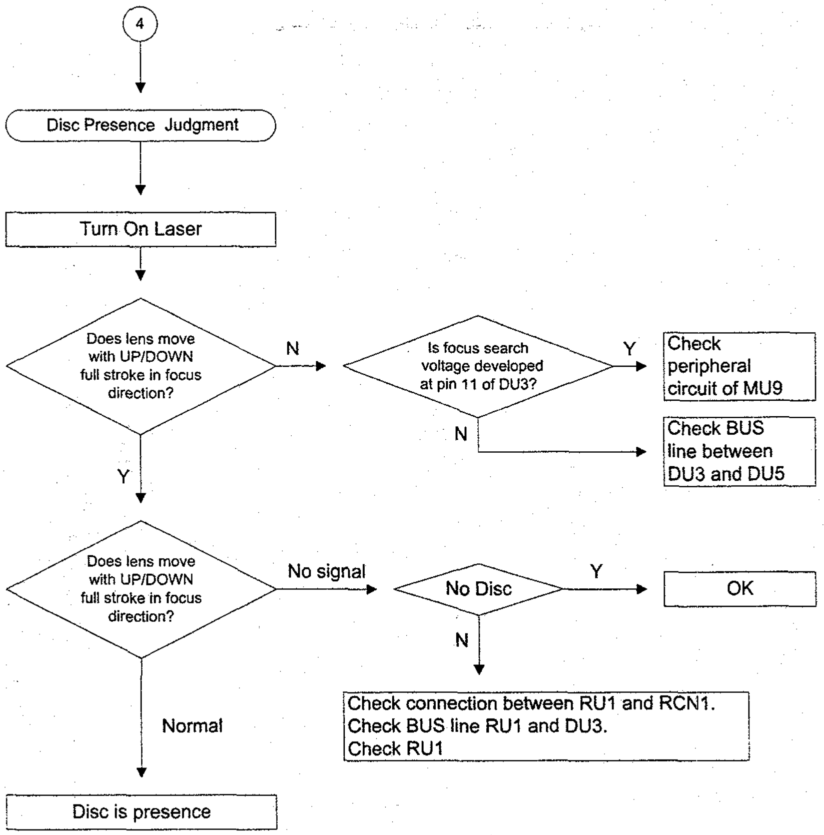
3. PickUp Head Initial Postion

PickUp Head Initial Postion

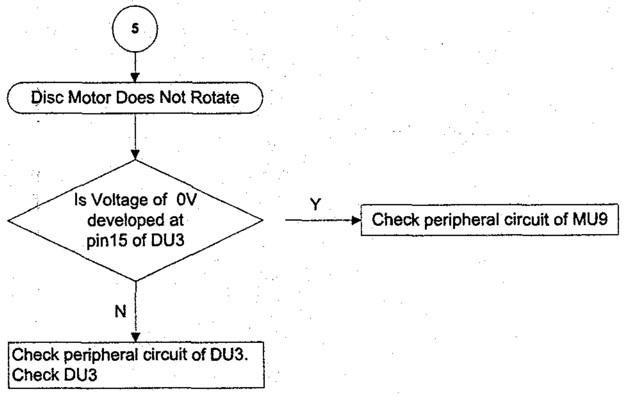
1. Move Pick Up Head to inner diretion until pin5 of MJ4="L"
2. If pin5 of MJ4="L", then move Pick Up Head to outer diretion for a short time.
3. Ture On the Laser of Pick Up Head to judge that disc is presence or not.


3
Does Pick Up Move to inner direction?
N
Is pulse of 2.5 +-2.5V developed at pin3,4 of MJ4?
Y
Check connection between PCB and MECHA
N
Y
Is pulse of 2.5 +-2.5V developed at pin13 of DU3?
Y
Check peripheral circuit of DU3 and MU9
N
Check BUS line between DU3 and DU5
Does Pick Up Move to out direction again?
N
Is pin5 of MJ4 = "L" appeared?
N
Check connection between PCB and MECHA
Y
Check line between DU3 and MJ4
Y
OK
Does Laser Turn On?
N
Check voltage at pin17 of RCN1 is about 2.5V?
Y
Replace Pick Up Head
N
Check BUS line between RU1 and DU3,DU3 and DU5

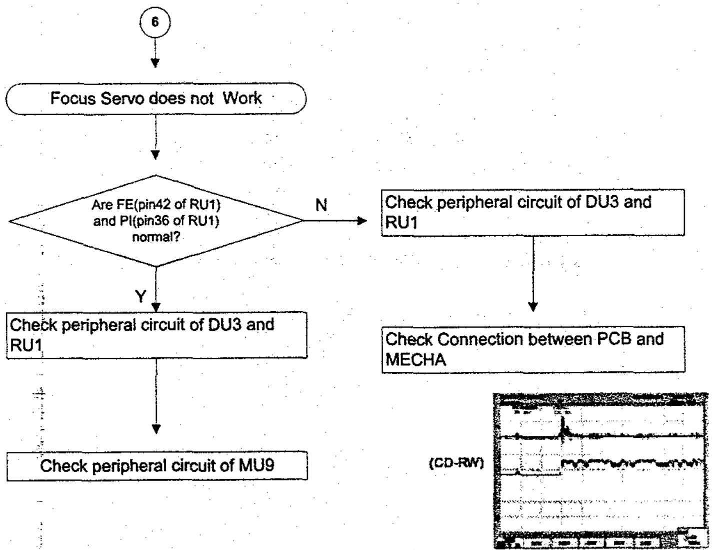
4. Disc Presence/Absense Judgment


4
Disc Presence Judgment
Turn On Laser
Does lens move with UP/DOWN full stroke in focus direction?
N
Is focus search voltage developed at pin 11 of DU3?
Y
Check peripheral circuit of MU9
N
Check BUS line between DU3 and DU5
Y
Does lens move with UP/DOWN full stroke in focus direction?
No signal
No Disc
Y
OK
N
Check connection between RU1 and RCN1.
Check BUS line RU1 and DU3.
Check RU1
Normal
Disc is presence

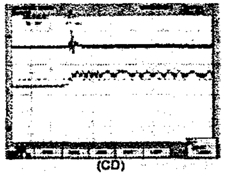
5. Disc Motor Does Not Rotate

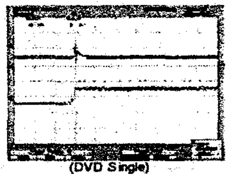

5
Disc Motor Does Not Rotate
Is Voltage of 0V developed at pin15 of DU3
Y
Check peripheral circuit of MU9
N
Check peripheral circuit of DU3.
Check DU3

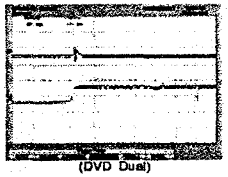
6. Focus Servo does not Work


6
Focus Servo does not Work
Are FE(pin42 of RU1) and PI(pin36 of RU1) normal?
N
Check peripheral circuit of DU3 and RU1
Check Connection between PCB and MECHA
Y
Check peripheral circuit of DU3 and RU1
Check peripheral circuit of MU9

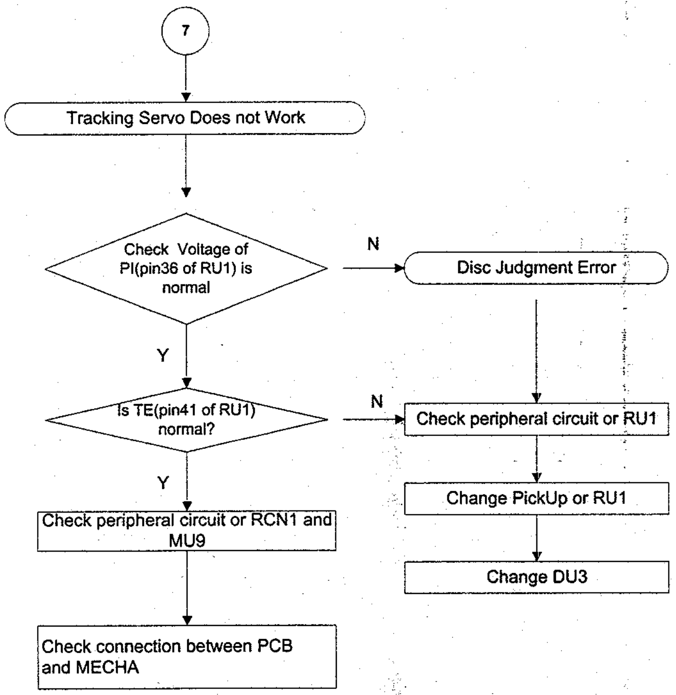
(CD-RW)

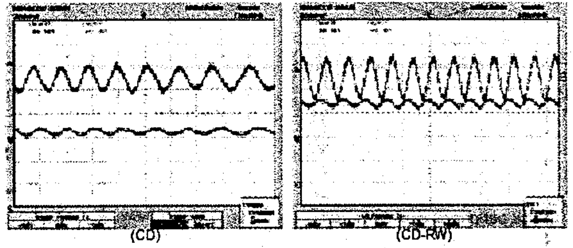

(CD)


(DVD Single)

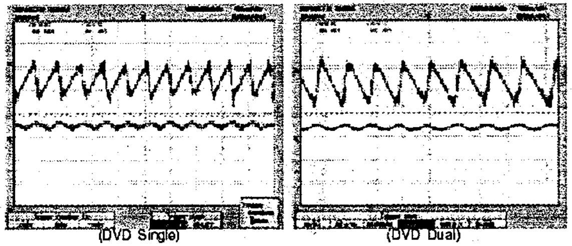

(DVD Dual)

7. Tracking Servo Does Not Work


7
Tracking Servo Does not Work
Check Voltage of PI(pin36 of RU1) is normal
N
Disc Judgment Error
Y
Is TE(pin41 of RU1) normal?
N
Check peripheral circuit or RU1
Change PickUp or RU1
Change DU3
Y
Check peripheral circuit or RCN1 and MU9
Check connection between PCB and MECHA

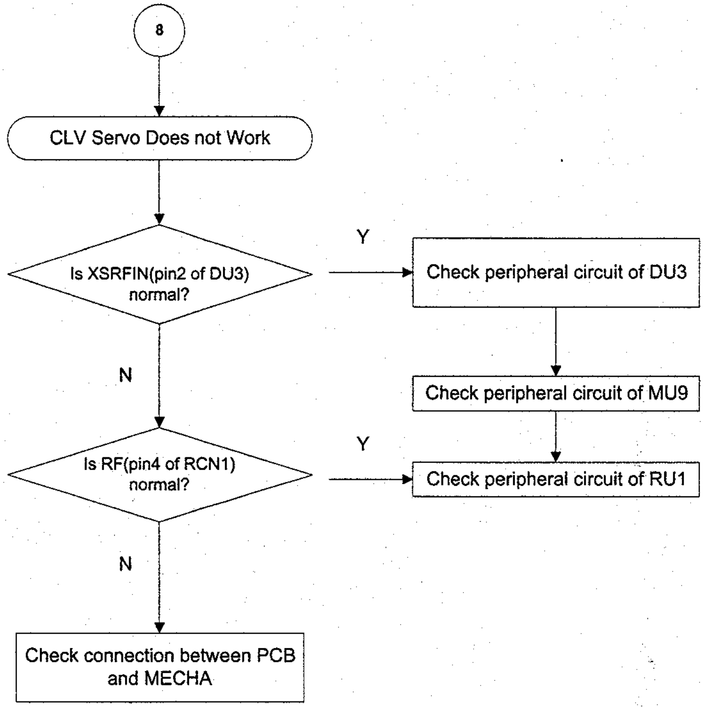


(CD) (CD-RW)



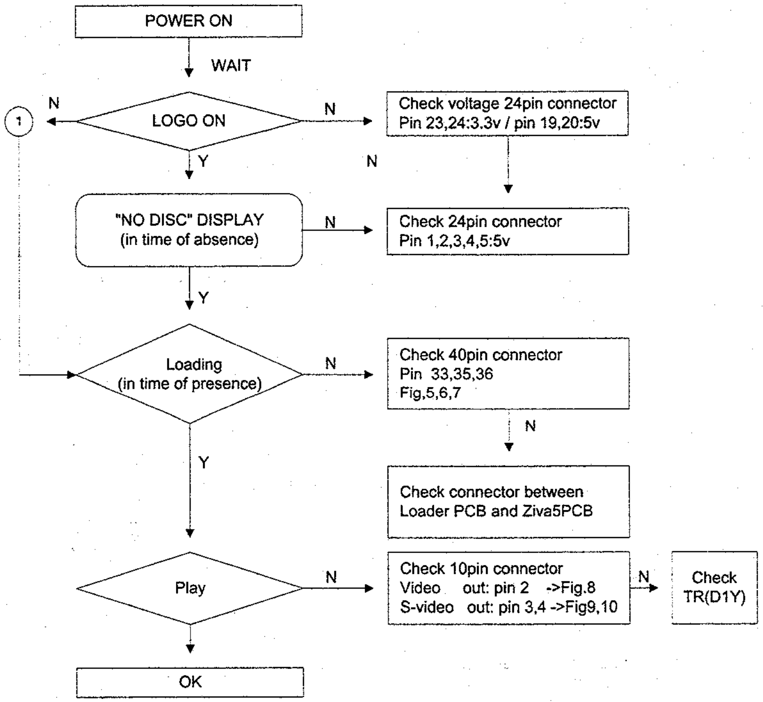
(DVD Single) (DVD Dual)

8. CLV Servo Does Not Work


8
CLV Servo Does not Work
Is XSRFIN(pin2 of DU3) normal?
Y
Check peripheral circuit of DU3
Check peripheral circuit of MU9
N
Is RF(pin4 of RCN1) normal?
Y
Check peripheral circuit of RU1
N
Check connection between PCB and MECHA

9-3 DVD Backend Parts

1. Initial operation after ON


POWER ON
WAIT
LOGO ON
N
①
N
Check voltage 24pin connector
Pin 23,24:3.3v / pin 19,20:5v
Y
N
"NO DISC" DISPLAY
(in time of absence)
N
Check 24pin connector
Pin 1,2,3,4,5:5v
Y
Loading
(in time of presence)
N
Check 40pin connector
Pin 33,35,36
Fig,5,6,7
N
Y
Check connector between
Loader PCB and Ziva5PCB
Play
N
Check 10pin connector
Video out: pin 2 ->Fig.8
S-video out: pin 3,4 ->Fig9,10
N
Check
TR(D1Y)
OK

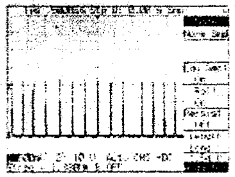


Fig.5

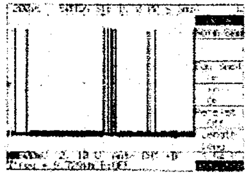


Fig.6

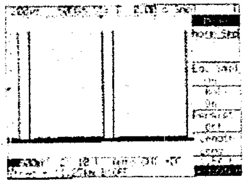


Fig.7

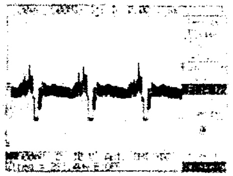


Fig.8

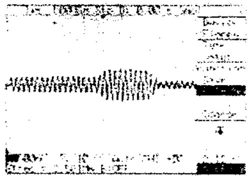


Fig.9

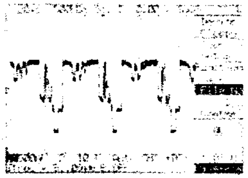


Fig.10

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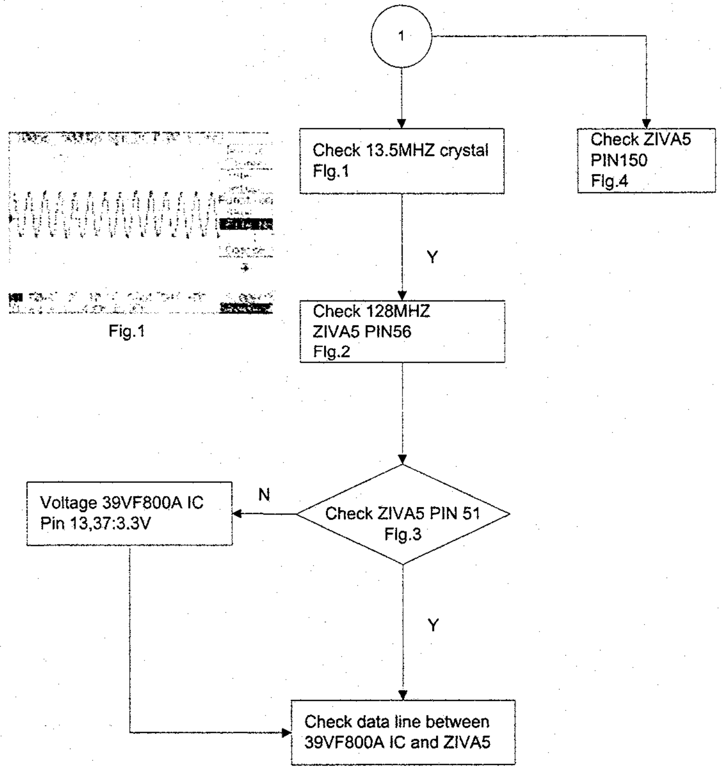
2. Logo operation


1
Check 13.5MHZ crystal
FIg.1
Check ZIVA5
PIN150
FIg.4
Y
Check 128MHZ
ZIVA5 PIN56
FIg.2
N
Voltage 39VF800A IC
Pin 13,37:3.3V
Check ZIVA5 PIN 51
FIg.3
Y
Check data line between
39VF800A IC and ZIVA5
Fig.1

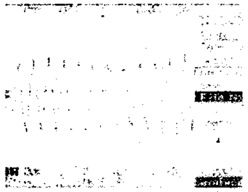


Fig.2

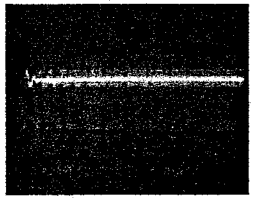


Fig.3

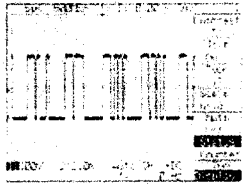


Fig.4